

# Kuipers & Associates

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**Kuipers & Associates, LLC**

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Date: October 4, 2010

To: Anaconda Deer Lodge County

From: Kuipers & Associates

Subject: **Ambient Air Quality Monitoring  
Opportunity and Warm Springs Sites  
August 2010 Monthly Report**

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This August 2010 report documents the ambient air quality monitoring program conducted by Kuipers & Associates on behalf of Anaconda Deer Lodge County at the Opportunity and Warm Springs locations adjacent to the Atlantic Richfield Lower Waste Management Area (LWMA). Total Suspended Particulate (TSP) is monitored at Opportunity, and PM10 at Warm Springs. Additionally, wind speed, wind direction, temperature and relative humidity are monitored at both sites.

All data, discussion and conclusions provided in this report are preliminary and will undergo a complete quality assurance review prior to issuance of final results in quarterly and annual reports in accordance with the project Sampling and Analysis Plan. Results for the month are summarized as follows:

- Hourly average data were collected continuously by the monitors from August 1<sup>st</sup> through August 31<sup>st</sup>, with 99.9% availability for TSP at the Opportunity location and 99.9% availability for PM10 at the Warm Springs location.
  - Downtime at the Opportunity location occurred on August 31 at 12:00 MST for routine maintenance.
  - Downtime at the Warm Springs location occurred on August 27 at 13:00 MST for routine maintenance.
- The hourly average data record for the month is attached to the end of this report. Current data is available for real-time electronic download on demand, and public viewing at:  
<http://ka.airsis.com/vision/login.aspx?ReturnUrl=%2fvision%2fDefault.aspx> (Username = ADLC, Password = OCPA).
- Monthly and quarterly air monitoring reports from June 2007 through present are now available on the County's website at:  
[http://anacondadeerlodge.mt.gov/super/info.aspx#q\\_reports](http://anacondadeerlodge.mt.gov/super/info.aspx#q_reports).
- At the Opportunity location the maximum TSP reading for the period on a daily average basis was 122 µg/m<sup>3</sup>, and the average monthly concentration was 27 µg/m<sup>3</sup>. The maximum reading for the period on an hourly average basis was 389 µg/m<sup>3</sup>. This value was associated with light to moderate north-northeast winds, which would normally indicate that the Lower

Waste Management Area (LWMA) was a contributing source. However, it is suspected that excavation and dirt-moving in an area to the north-northeast of the Opportunity monitor location was a more important factor. The four highest daily and hourly maximum values are summarized in Table 1, and the average daily data for the month is attached together with meteorological information in Table 3.

- At the Warm Springs location the maximum PM10 reading for the period on a daily average basis was  $37 \mu\text{g}/\text{m}^3$ , and the average monthly concentration was  $9 \mu\text{g}/\text{m}^3$ . The maximum reading for the period on an hourly average basis was  $115 \mu\text{g}/\text{m}^3$ . This value occurred with light west winds, and was probably not associated with the LWMA. The four highest daily and hourly maximum values are summarized in Table 2, and the average daily data for the month is attached together with meteorological information in Table 4.

**Table 1**  
**Opportunity Site TSP Maximum Data, August 2010**

Maximum	TSP ( $\mu\text{g}/\text{m}^3$ )	Date & Time (MST)	Wind Speed (mph)	Wind Direction (deg)
Daily 1st Max	122	8/27/2010	6.7	3
Daily 2nd Max	75	8/2/2010	3.1	355
Daily 3rd Max	60	8/3/2010	4.5	4
Daily 4th Max	53	8/26/2010	5.8	223
Hourly 1st Max	389	8/2/2010 15:00	5.8	18
Hourly 2nd Max	360	8/27/10 05:00	5.8	270
Hourly 3rd Max	350	8/2/10 14:00	5.8	7
Hourly 4th Max	324	8/27/10 04:00	6.0	265

**Table 2**  
**Warm Springs Site PM10 Maximum Data, August 2010**

Maximum	PM10 ( $\mu\text{g}/\text{m}^3$ )	Date & Time (MST)	Wind Speed (mph)	Wind Direction (deg)
Daily 1st Max	37	8/27/2010	3.4	5
Daily 2nd Max	22	8/1/2010	2.9	279
Daily 3rd Max	18	8/3/2010	4.1	347
Daily 4th Max	13	8/26/2010	7.1	204
Hourly 1st Max	115	8/1/2010 05:00	1.3	268
Hourly 2nd Max	98	8/27/2010 06:00	2.5	329
Hourly 3rd Max	91	8/1/2010 04:00	1.6	48
Hourly 4th Max	79	8/27/2010 03:00	1.8	256

- There are no Montana or Federal air quality standards for TSP; both were replaced by the current PM10 standard in 1987. Prior to 1987 the Montana annual TSP standard was  $75 \mu\text{g}/\text{m}^3$ , the 24-hour standard was  $200 \mu\text{g}/\text{m}^3$  and there was no hourly standard. TSP results for August at Opportunity were well below these historical standards. Monitoring for PM10 from May 2007 through June of 2008 showed that PM10 concentrations were consistently

below regulatory levels. To facilitate comparison with previously collected PM10 data, the TSP data are being reported at Local temperature and pressure conditions.

- At the Warm Springs monitoring site daily average PM10 results for the month of August were well below the 24-hour Montana Ambient Air Quality Standard of  $150 \mu\text{g}/\text{m}^3$ . The average monthly concentration was below the annual PM10 standard of  $50 \mu\text{g}/\text{m}^3$ . There currently is no State or Federal standard for hourly PM10 data.
- Precipitation for the month was well above average based on weather records for the Butte airport. The automated rain gauge at Opportunity registered 2.18 inches of precipitation during the month.
- Wind roses are attached to graphically depict prevailing winds.
  - Figure 1 shows the Opportunity location, where the predominant wind directions in August were from the southwest quadrant, and from the north-northeast.
  - Figure 2 shows the Warm Springs location, where winds were mostly from the south and from the north.
- If a dust storm event or nuisance dust in general is observed, please contact us so that we may respond, and try to quantify and document the problem. We are available seven days per week 24 hours per day and ask that you contact the following (in order) until someone is notified.

**Dust Event Contacts:**

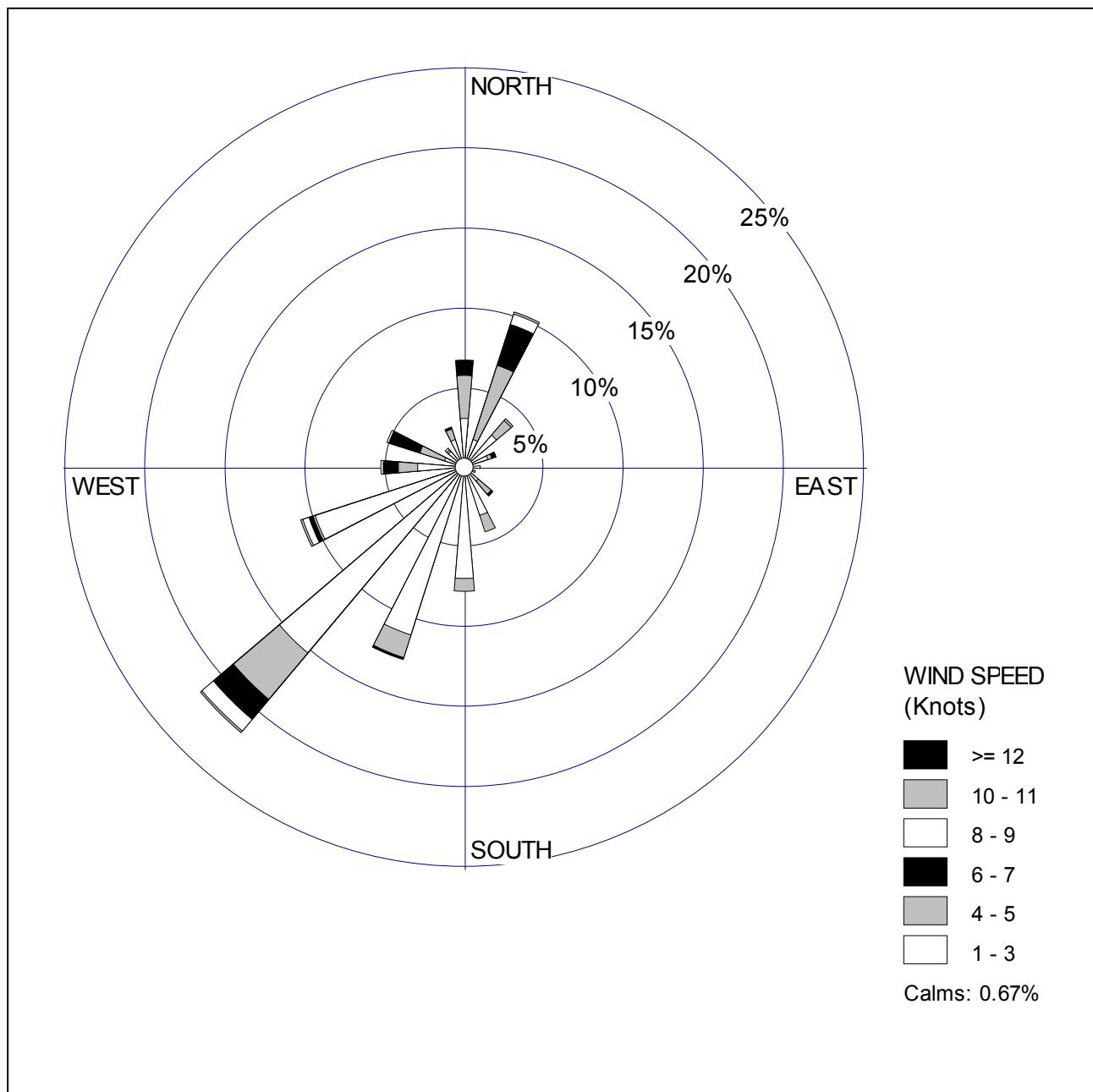
Steve Heck	498-4199
Virginia Loran	563-7476, then 691-0015
Jim Kuipers	782-3441, then 459-0445

**Table 3**  
**Opportunity Site Daily Average Data**

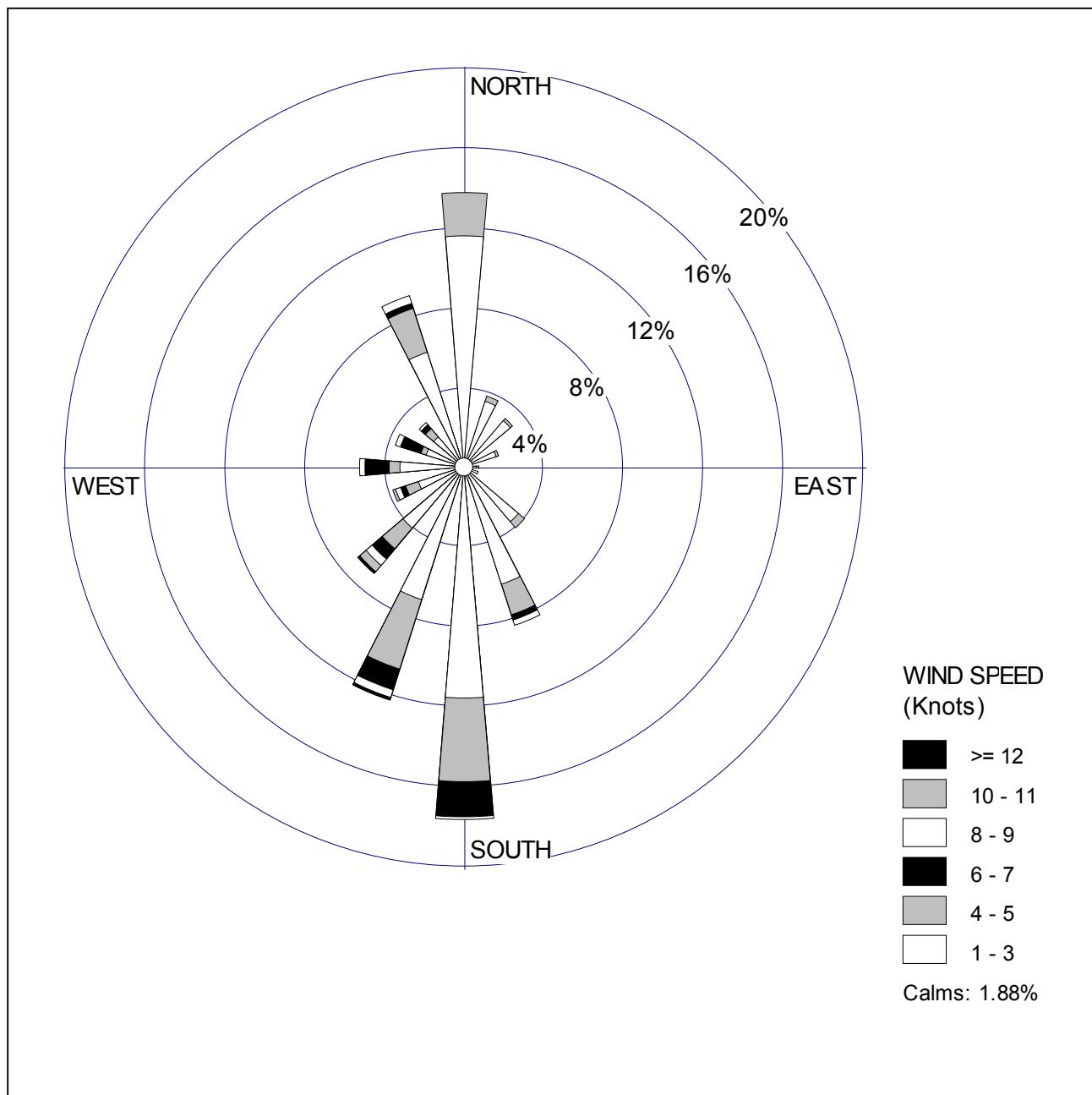
Date	TSP Daily ( $\mu\text{g}/\text{m}^3$ )	Wind Speed Daily (meters per second)	Wind Speed Daily (miles per hour)	Wind Direction Daily (degrees true)	Air Temperature Daily (Celsius)	Air Temperature Daily (Fahrenheit)	Relative Humidity Daily (percent)	Precipitation Total (inches)
August 1, 2010	16	1.9	4.3	254	17.6	63.7	61	0.05
August 2, 2010	75	1.4	3.1	355	16.1	60.9	57	0.00
August 3, 2010	60	2.0	4.5	4	16.3	61.4	55	0.00
August 4, 2010	29	1.1	2.4	359	16.2	61.2	65	0.00
August 5, 2010	42	1.6	3.6	163	16.7	62.0	68	0.43
August 6, 2010	30	2.0	4.6	192	18.3	65.0	57	0.04
August 7, 2010	17	1.6	3.7	219	19.0	66.2	51	0.04
August 8, 2010	15	1.5	3.4	201	15.8	60.5	65	0.07
August 9, 2010	17	1.9	4.2	214	15.2	59.4	67	0.03
August 10, 2010	12	1.9	4.3	194	15.3	59.5	65	0.26
August 11, 2010	19	1.3	2.9	123	13.1	55.5	76	0.47
August 12, 2010	13	1.9	4.4	307	14.3	57.7	64	0.01
August 13, 2010	2	1.7	3.7	3	10.7	51.3	76	0.19
August 14, 2010	4	1.0	2.3	360	12.8	55.0	68	0.02
August 15, 2010	7	1.2	2.7	350	14.7	58.4	60	0.00
August 16, 2010	19	1.4	3.1	317	16.2	61.2	57	0.00
August 17, 2010	34	1.3	3.0	221	18.2	64.8	51	0.00
August 18, 2010	27	1.5	3.4	4	19.0	66.2	46	0.00
August 19, 2010	25	2.0	4.4	260	18.8	65.8	42	0.00
August 20, 2010	30	1.7	3.7	224	17.2	62.9	39	0.00
August 21, 2010	28	2.4	5.4	227	20.9	69.5	32	0.00
August 22, 2010	28	2.2	4.8	305	16.5	61.7	51	0.18
August 23, 2010	10	2.0	4.4	277	11.7	53.1	53	0.00
August 24, 2010	22	1.3	2.9	56	13.3	55.9	53	0.00
August 25, 2010	22	1.7	3.7	229	18.4	65.2	41	0.00
August 26, 2010	53	2.6	5.8	223	21.2	70.1	36	0.00
August 27, 2010	122	3.0	6.7	3	14.1	57.3	43	0.00
August 28, 2010	24	1.2	2.7	342	8.6	47.4	57	0.00
August 29, 2010	16	1.5	3.3	349	7.9	46.2	73	0.17
August 30, 2010	4	0.9	2.0	216	6.4	43.6	81	0.21
August 31, 2010	5	1.8	4.1	210	9.7	49.4	61	0.01

**Table 4**  
**Warm Springs Site Daily Average Data**

Date	PM10 Daily ( $\mu\text{g}/\text{m}^3$ )	Wind Speed Daily (meters per second)	Wind Speed Daily (miles per hour)	Wind Direction Daily (degrees true)	Air Temperature Daily (Celsius)	Air Temperature Daily (Fahrenheit)	Relative Humidity Daily (percent)
August 1, 2010	22	1.3	2.9	279	17.6	63.7	NO DATA
August 2, 2010	12	1.3	2.8	344	16.4	61.5	NO DATA
August 3, 2010	18	1.8	4.1	347	16.6	61.8	NO DATA
August 4, 2010	11	1.0	2.1	351	16.8	62.2	NO DATA
August 5, 2010	12	1.4	3.2	200	17.4	63.4	61
August 6, 2010	8	2.2	4.9	185	18.8	65.8	59
August 7, 2010	9	2.3	5.2	192	19.7	67.4	51
August 8, 2010	10	1.6	3.6	183	16.1	61.0	68
August 9, 2010	9	1.9	4.2	184	16.0	60.8	67
August 10, 2010	4	2.3	5.2	179	16.1	61.0	66
August 11, 2010	7	1.4	3.1	120	13.7	56.7	77
August 12, 2010	6	1.5	3.4	289	14.8	58.6	67
August 13, 2010	1	1.4	3.1	358	12.1	53.8	75
August 14, 2010	3	1.1	2.4	326	13.6	56.5	69
August 15, 2010	4	1.2	2.7	275	15.3	59.5	62
August 16, 2010	7	1.3	2.8	206	17.0	62.7	57
August 17, 2010	10	1.4	3.1	160	19.1	66.3	54
August 18, 2010	11	1.4	3.0	326	18.8	65.8	51
August 19, 2010	10	2.4	5.5	256	19.1	66.4	44
August 20, 2010	7	2.0	4.4	206	17.3	63.2	42
August 21, 2010	8	2.6	5.9	211	20.8	69.5	34
August 22, 2010	10	1.8	3.9	304	17.6	63.7	48
August 23, 2010	4	2.4	5.3	253	12.4	54.4	54
August 24, 2010	4	1.3	2.9	182	13.7	56.6	55
August 25, 2010	8	2.0	4.4	201	18.9	65.9	44
August 26, 2010	13	3.2	7.1	204	21.5	70.7	35
August 27, 2010	37	1.5	3.4	5	14.3	57.8	47
August 28, 2010	11	1.1	2.3	347	9.5	49.0	56
August 29, 2010	6	1.1	2.4	348	8.7	47.7	73
August 30, 2010	4	1.0	2.3	197	7.4	45.4	81
August 31, 2010	4	2.2	4.9	205	10.3	50.5	62



**Figure 1. Wind Rose (percent of time blowing from indicated direction) for Opportunity EBAM Site August 2010.**



**Figure 2. Wind Rose (percent of time blowing from indicated direction) for Warm Springs EBAM Site August 2010.**

**Table 5**  
**Opportunity Site Hourly Average Data**  
**Met One E-BAM**  
**August 2010**

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m³)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
8/1/2010 1:00	0	0.9	2.0	241	12.4	54.3	91	0.00
8/1/2010 2:00	11	0.8	1.8	204	11.2	52.2	92	0.01
8/1/2010 3:00	25	0.8	1.8	226	10.4	50.7	93	0.00
8/1/2010 4:00	13	0.8	1.8	248	9.1	48.4	93	0.00
8/1/2010 5:00	24	0.6	1.3	197	8.5	47.3	93	0.00
8/1/2010 6:00	-5	1.0	2.2	242	9.1	48.4	93	0.00
8/1/2010 7:00	9	1.3	2.9	203	12.0	53.6	88	0.00
8/1/2010 8:00	18	1.2	2.7	173	14.3	57.7	80	0.00
8/1/2010 9:00	6	2.0	4.5	155	16.1	61.0	74	0.00
8/1/2010 10:00	9	1.9	4.3	163	19.3	66.7	61	0.00
8/1/2010 11:00	7	2.3	5.1	144	22.3	72.1	50	0.00
8/1/2010 12:00	20	2.9	6.5	219	24.7	76.5	36	0.00
8/1/2010 13:00	34	3.6	8.1	236	21.2	70.2	43	0.04
8/1/2010 14:00	8	3.3	7.4	240	24.6	76.3	36	0.00
8/1/2010 15:00	14	3.1	6.9	261	26.9	80.4	24	0.00
8/1/2010 16:00	21	1.9	4.3	292	27.0	80.6	23	0.00
8/1/2010 17:00	23	2.4	5.4	24	24.4	75.9	37	0.00
8/1/2010 18:00	24	2.8	6.3	22	23.4	74.1	40	0.00
8/1/2010 19:00	6	3.0	6.7	20	23.2	73.8	33	0.00
8/1/2010 20:00	44	3.8	8.5	29	21.7	71.1	37	0.00
8/1/2010 21:00	24	3.1	6.9	17	19.2	66.6	47	0.00
8/1/2010 22:00	15	1.1	2.5	288	16.4	61.5	56	0.00
8/1/2010 23:00	23	1.1	2.5	237	14.0	57.2	65	0.00
8/2/2010 0:00	20	0.8	1.8	262	11.7	53.1	73	0.00
8/2/2010 1:00	-5	0.5	1.1	198	9.0	48.2	83	0.00
8/2/2010 2:00	11	0.7	1.6	242	8.1	46.6	86	0.00
8/2/2010 3:00	10	0.7	1.6	236	7.7	45.9	86	0.00
8/2/2010 4:00	14	0.6	1.3	245	6.5	43.7	89	0.00
8/2/2010 5:00	5	0.8	1.8	220	5.8	42.4	90	0.00
8/2/2010 6:00	11	0.7	1.6	216	6.2	43.2	89	0.00
8/2/2010 7:00	39	0.7	1.6	193	9.3	48.7	77	0.00
8/2/2010 8:00	8	0.8	1.8	198	13.5	56.3	64	0.00
8/2/2010 9:00	109	1.2	2.7	41	16.5	61.7	55	0.00
8/2/2010 10:00	237	2.3	5.1	26	18.4	65.1	49	0.00
8/2/2010 11:00	45	2.3	5.1	21	20.4	68.7	43	0.00
8/2/2010 12:00	82	2.5	5.6	18	21.9	71.4	39	0.00
8/2/2010 13:00	262	2.8	6.3	15	23.4	74.1	34	0.00
8/2/2010 14:00	350	2.6	5.8	7	24.5	76.1	30	0.00
8/2/2010 15:00	389	2.6	5.8	18	24.8	76.6	29	0.00
8/2/2010 16:00	27	2.2	4.9	24	25.2	77.4	28	0.00
8/2/2010 17:00	27	1.3	2.9	9	24.9	76.8	28	0.00
8/2/2010 18:00	24	1.2	2.7	344	23.1	73.6	34	0.00
8/2/2010 19:00	35	1.7	3.8	351	23.3	73.9	33	0.00
8/2/2010 20:00	25	1.0	2.2	280	20.1	68.2	43	0.00
8/2/2010 21:00	36	1.4	3.1	228	16.8	62.2	51	0.00
8/2/2010 22:00	20	1.2	2.7	244	13.2	55.8	64	0.00
8/2/2010 23:00	26	0.6	1.3	182	11.7	53.1	69	0.00
8/3/2010 0:00	20	0.8	1.8	230	11.0	51.8	69	0.00
8/3/2010 1:00	18	1.0	2.2	204	9.2	48.6	74	0.00
8/3/2010 2:00	18	1.0	2.2	236	8.8	47.8	74	0.00
8/3/2010 3:00	11	1.0	2.2	213	8.0	46.4	73	0.00
8/3/2010 4:00	19	0.9	2.0	223	6.9	44.4	81	0.00
8/3/2010 5:00	6	0.9	2.0	236	7.0	44.6	80	0.00
8/3/2010 6:00	32	0.8	1.8	231	6.0	42.8	83	0.00
8/3/2010 7:00	11	0.5	1.1	237	8.7	47.7	71	0.00
8/3/2010 8:00	33	0.9	2.0	127	14.1	57.4	55	0.00
8/3/2010 9:00	42	0.8	1.8	93	17.4	63.3	45	0.00
8/3/2010 10:00	100	1.5	3.4	40	19.7	67.5	39	0.00
8/3/2010 11:00	103	2.1	4.7	35	21.2	70.2	38	0.00
8/3/2010 12:00	57	2.0	4.5	31	23.1	73.6	33	0.00
8/3/2010 13:00	177	2.7	6.0	26	25.4	77.7	30	0.00
8/3/2010 14:00	147	3.5	7.8	14	25.7	78.3	29	0.00
8/3/2010 15:00	89	2.8	6.3	2	25.8	78.4	28	0.00
8/3/2010 16:00	144	2.5	5.6	353	24.9	76.8	31	0.00
8/3/2010 17:00	42	3.3	7.4	1	24.2	75.6	34	0.00
8/3/2010 18:00	138	3.8	8.5	356	21.5	70.7	44	0.00
8/3/2010 19:00	82	3.7	8.3	354	19.5	67.1	50	0.00
8/3/2010 20:00	62	3.9	8.7	356	17.3	63.1	58	0.00
8/3/2010 21:00	37	3.6	8.1	355	15.8	60.4	63	0.00
8/3/2010 22:00	30	2.5	5.6	354	14.9	58.8	67	0.00
8/3/2010 23:00	28	1.7	3.8	30	13.8	56.8	71	0.00
8/4/2010 0:00	23	1.0	2.2	31	13.2	55.8	74	0.00
8/4/2010 1:00	20	0.3	0.7	2	12.1	53.8	78	0.00
8/4/2010 2:00	17	0.5	1.1	357	12.4	54.3	76	0.00
8/4/2010 3:00	18	0.4	0.9	317	12.3	54.1	76	0.00
8/4/2010 4:00	15	0.6	1.3	246	11.3	52.3	81	0.00

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
8/4/2010 5:00	-1	0.6	1.3	256	10.5	50.9	83	0.00
8/4/2010 6:00	25	0.7	1.6	246	9.8	49.6	86	0.00
8/4/2010 7:00	25	0.4	0.9	201	11.5	52.7	82	0.00
8/4/2010 8:00	9	0.6	1.3	109	12.9	55.2	73	0.00
8/4/2010 9:00	19	0.6	1.3	82	14.2	57.6	67	0.00
8/4/2010 10:00	22	0.9	2.0	20	16.1	61.0	61	0.00
8/4/2010 11:00	23	1.3	2.9	285	18.9	66.0	52	0.00
8/4/2010 12:00	36	1.8	4.0	45	20.4	68.7	49	0.00
8/4/2010 13:00	65	1.6	3.6	58	21.9	71.4	46	0.00
8/4/2010 14:00	60	1.6	3.6	27	22.0	71.6	48	0.00
8/4/2010 15:00	60	1.4	3.1	352	20.5	68.9	54	0.00
8/4/2010 16:00	28	1.0	2.2	265	22.0	71.6	50	0.00
8/4/2010 17:00	47	1.3	2.9	260	22.4	72.3	49	0.00
8/4/2010 18:00	28	0.8	1.8	324	21.7	71.1	52	0.00
8/4/2010 19:00	49	2.4	5.4	3	22.2	72.0	49	0.00
8/4/2010 20:00	25	2.2	4.9	26	19.2	66.6	57	0.00
8/4/2010 21:00	26	2.0	4.5	45	17.1	62.8	63	0.00
8/4/2010 22:00	25	1.3	2.9	13	15.4	59.7	68	0.00
8/4/2010 23:00	19	0.8	1.8	262	12.1	53.8	80	0.00
8/5/2010 0:00	28	0.7	1.6	251	10.2	50.4	87	0.00
8/5/2010 1:00	-1	0.6	1.3	225	8.6	47.5	90	0.00
8/5/2010 2:00	25	0.5	1.1	257	8.0	46.4	91	0.00
8/5/2010 3:00	-2	0.8	1.8	239	7.9	46.2	92	0.00
8/5/2010 4:00	5	0.7	1.6	225	7.7	45.9	91	0.00
8/5/2010 5:00	32	0.8	1.8	240	7.3	45.1	91	0.00
8/5/2010 6:00	32	0.8	1.8	234	6.8	44.2	92	0.00
8/5/2010 7:00	50	0.9	2.0	197	9.9	49.8	84	0.00
8/5/2010 8:00	50	1.0	2.2	207	14.3	57.7	69	0.00
8/5/2010 9:00	16	1.3	2.9	224	17.9	64.2	60	0.00
8/5/2010 10:00	53	2.7	6.0	133	21.4	70.5	50	0.00
8/5/2010 11:00	61	2.8	6.3	132	23.8	74.8	45	0.00
8/5/2010 12:00	146	2.2	4.9	133	25.8	78.4	39	0.00
8/5/2010 13:00	26	2.4	5.4	112	27.5	81.5	36	0.00
8/5/2010 14:00	33	1.7	3.8	145	29.6	85.3	26	0.00
8/5/2010 15:00	100	2.3	5.1	51	30.6	87.1	21	0.00
8/5/2010 16:00	52	3.5	7.8	18	29.8	85.6	24	0.00
8/5/2010 17:00	283	4.4	9.8	17	25.1	77.2	36	0.29
8/5/2010 18:00	4	3.9	8.7	203	15.1	59.2	83	0.13
8/5/2010 19:00	7	0.9	2.0	252	15.3	59.5	85	0.01
8/5/2010 20:00	3	0.7	1.6	234	14.9	58.8	84	0.00
8/5/2010 21:00	5	0.5	1.1	209	13.8	56.8	90	0.00
8/5/2010 22:00	9	0.7	1.6	193	13.1	55.6	86	0.00
8/5/2010 23:00	21	1.1	2.5	218	12.8	55.0	83	0.00
8/6/2010 0:00	0	1.1	2.5	224	13.2	55.8	79	0.00
8/6/2010 1:00	5	1.3	2.9	202	13.2	55.8	80	0.00
8/6/2010 2:00	5	1.2	2.7	220	12.3	54.1	80	0.00
8/6/2010 3:00	20	1.0	2.2	215	10.4	50.7	85	0.00
8/6/2010 4:00	-5	1.5	3.4	236	11.6	52.9	79	0.00
8/6/2010 5:00	7	1.4	3.1	178	12.6	54.7	75	0.00
8/6/2010 6:00	18	1.6	3.6	163	13.4	56.1	72	0.00
8/6/2010 7:00	12	2.0	4.5	192	14.6	58.3	67	0.00
8/6/2010 8:00	13	1.6	3.6	183	18.1	64.6	55	0.00
8/6/2010 9:00	19	1.1	2.5	184	20.5	68.9	49	0.00
8/6/2010 10:00	25	1.4	3.1	153	22.8	73.0	41	0.00
8/6/2010 11:00	38	2.6	5.8	141	24.6	76.3	36	0.00
8/6/2010 12:00	54	2.2	4.9	119	26.7	80.1	32	0.00
8/6/2010 13:00	41	1.6	3.6	160	28.7	83.7	26	0.00
8/6/2010 14:00	26	2.6	5.8	226	29.4	84.9	24	0.00
8/6/2010 15:00	46	3.6	8.1	336	28.9	84.0	28	0.00
8/6/2010 16:00	231	4.5	10.1	309	23.6	74.5	36	0.02
8/6/2010 17:00	30	1.8	4.0	148	16.4	61.5	64	0.01
8/6/2010 18:00	23	2.4	5.4	150	16.4	61.5	64	0.01
8/6/2010 19:00	29	2.7	6.0	163	15.7	60.3	68	0.00
8/6/2010 20:00	19	1.3	2.9	193	15.9	60.6	62	0.00
8/6/2010 21:00	8	1.6	3.6	174	14.9	58.8	69	0.00
8/6/2010 22:00	10	2.1	4.7	172	14.9	58.8	68	0.00
8/6/2010 23:00	5	1.6	3.6	191	16.3	61.3	57	0.00
8/7/2010 0:00	34	4.4	9.8	232	17.5	63.5	50	0.00
8/7/2010 1:00	15	1.8	4.0	199	16.9	62.4	52	0.00
8/7/2010 2:00	5	1.2	2.7	193	15.7	60.3	56	0.00
8/7/2010 3:00	15	2.6	5.8	212	15.4	59.7	58	0.00
8/7/2010 4:00	13	1.9	4.3	201	15.5	59.9	59	0.00
8/7/2010 5:00	7	1.8	4.0	180	15.7	60.3	57	0.00
8/7/2010 6:00	20	2.3	5.1	208	14.7	58.5	62	0.00
8/7/2010 7:00	41	1.2	2.7	176	15.3	59.5	61	0.00
8/7/2010 8:00	15	1.6	3.6	204	15.6	60.1	61	0.00
8/7/2010 9:00	3	1.2	2.7	194	18.9	66.0	49	0.00
8/7/2010 10:00	11	1.3	2.9	172	20.5	68.9	45	0.00
8/7/2010 11:00	12	1.3	2.9	132	23.1	73.6	36	0.00
8/7/2010 12:00	7	1.3	2.9	338	24.4	75.9	34	0.00
8/7/2010 13:00	14	1.4	3.1	93	24.9	76.8	33	0.00

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
8/7/2010 14:00	66	1.3	2.9	328	23.5	74.3	42	0.01
8/7/2010 15:00	10	1.3	2.9	340	24.7	76.5	39	0.00
8/7/2010 16:00	13	2.0	4.5	286	24.8	76.6	31	0.00
8/7/2010 17:00	21	2.6	5.8	289	25.8	78.4	26	0.00
8/7/2010 18:00	20	2.0	4.5	301	25.0	77.0	28	0.00
8/7/2010 19:00	21	1.7	3.8	229	22.3	72.1	35	0.00
8/7/2010 20:00	30	1.3	2.9	180	20.0	68.0	47	0.00
8/7/2010 21:00	38	2.4	5.4	220	17.3	63.1	60	0.03
8/7/2010 22:00	3	1.5	3.4	208	13.2	55.8	79	0.00
8/7/2010 23:00	-5	1.2	2.7	183	12.1	53.8	79	0.00
8/8/2010 0:00	14	1.1	2.5	233	10.7	51.3	83	0.00
8/8/2010 1:00	0	1.0	2.2	227	10.8	51.4	81	0.00
8/8/2010 2:00	19	1.0	2.2	210	11.5	52.7	77	0.00
8/8/2010 3:00	7	0.9	2.0	195	9.2	48.6	84	0.00
8/8/2010 4:00	-2	0.9	2.0	201	8.7	47.7	85	0.00
8/8/2010 5:00	9	0.9	2.0	180	8.5	47.3	85	0.00
8/8/2010 6:00	23	1.0	2.2	207	9.2	48.6	83	0.00
8/8/2010 7:00	10	1.3	2.9	200	10.4	50.7	77	0.00
8/8/2010 8:00	6	1.4	3.1	180	14.0	57.2	66	0.00
8/8/2010 9:00	13	1.7	3.8	170	17.1	62.8	58	0.00
8/8/2010 10:00	11	2.2	4.9	143	20.0	68.0	50	0.00
8/8/2010 11:00	22	2.3	5.1	188	23.2	73.8	40	0.00
8/8/2010 12:00	31	3.3	7.4	228	24.5	76.1	33	0.00
8/8/2010 13:00	56	2.7	6.0	335	23.0	73.4	40	0.00
8/8/2010 14:00	19	2.3	5.1	42	22.4	72.3	43	0.00
8/8/2010 15:00	20	2.4	5.4	2	24.5	76.1	36	0.00
8/8/2010 16:00	34	1.9	4.3	61	22.6	72.7	43	0.02
8/8/2010 17:00	24	2.2	4.9	195	18.8	65.8	55	0.05
8/8/2010 18:00	4	1.2	2.7	179	17.3	63.1	61	0.00
8/8/2010 19:00	9	1.0	2.2	142	18.1	64.6	61	0.00
8/8/2010 20:00	16	0.7	1.6	264	15.9	60.6	73	0.00
8/8/2010 21:00	8	1.1	2.5	261	13.9	57.0	79	0.00
8/8/2010 22:00	-5	1.1	2.5	217	13.1	55.6	81	0.00
8/8/2010 23:00	14	1.0	2.2	233	11.6	52.9	84	0.00
8/9/2010 0:00	12	1.0	2.2	233	11.3	52.3	84	0.00
8/9/2010 1:00	-2	0.9	2.0	240	10.5	50.9	85	0.00
8/9/2010 2:00	1	1.1	2.5	241	9.9	49.8	86	0.00
8/9/2010 3:00	11	1.1	2.5	198	9.9	49.8	84	0.00
8/9/2010 4:00	16	1.1	2.5	248	8.4	47.1	87	0.00
8/9/2010 5:00	11	0.6	1.3	191	7.7	45.9	88	0.00
8/9/2010 6:00	-5	0.9	2.0	216	7.4	45.3	89	0.00
8/9/2010 7:00	20	1.0	2.2	190	9.5	49.1	82	0.00
8/9/2010 8:00	14	1.5	3.4	217	11.0	51.8	80	0.00
8/9/2010 9:00	16	1.2	2.7	213	14.1	57.4	68	0.00
8/9/2010 10:00	10	1.0	2.2	215	16.1	61.0	62	0.00
8/9/2010 11:00	37	1.9	4.3	152	20.5	68.9	50	0.00
8/9/2010 12:00	38	2.3	5.1	149	23.1	73.6	43	0.00
8/9/2010 13:00	47	3.1	6.9	146	23.9	75.0	38	0.00
8/9/2010 14:00	17	2.6	5.8	225	22.4	72.3	39	0.00
8/9/2010 15:00	44	4.2	9.4	231	20.5	68.9	45	0.00
8/9/2010 16:00	6	3.9	8.7	236	21.3	70.3	45	0.00
8/9/2010 17:00	14	3.6	8.1	234	23.0	73.4	38	0.00
8/9/2010 18:00	61	3.7	8.3	278	21.5	70.7	42	0.00
8/9/2010 19:00	27	3.2	7.2	31	16.9	62.4	59	0.00
8/9/2010 20:00	0	1.3	2.9	360	14.2	57.6	76	0.03
8/9/2010 21:00	4	0.7	1.6	190	12.8	55.0	85	0.00
8/9/2010 22:00	14	1.1	2.5	155	12.7	54.9	86	0.00
8/9/2010 23:00	9	1.5	3.4	183	13.2	55.8	79	0.00
8/10/2010 0:00	-1	2.0	4.5	194	14.2	57.6	67	0.00
8/10/2010 1:00	6	1.7	3.8	169	13.9	57.0	69	0.00
8/10/2010 2:00	9	2.1	4.7	182	13.8	56.8	67	0.01
8/10/2010 3:00	3	2.1	4.7	183	13.8	56.8	66	0.00
8/10/2010 4:00	-1	1.9	4.3	183	13.8	56.8	64	0.00
8/10/2010 5:00	5	1.8	4.0	188	13.8	56.8	63	0.00
8/10/2010 6:00	4	1.9	4.3	199	13.9	57.0	60	0.00
8/10/2010 7:00	10	1.5	3.4	165	14.4	57.9	58	0.00
8/10/2010 8:00	48	2.3	5.1	149	16.3	61.3	55	0.00
8/10/2010 9:00	11	2.2	4.9	167	18.5	65.3	49	0.00
8/10/2010 10:00	36	4.0	8.9	274	16.7	62.1	54	0.00
8/10/2010 11:00	24	3.2	7.2	351	15.1	59.2	68	0.02
8/10/2010 12:00	-2	3.0	6.7	23	17.0	62.6	63	0.00
8/10/2010 13:00	10	1.9	4.3	34	18.9	66.0	50	0.00
8/10/2010 14:00	12	1.6	3.6	25	20.7	69.3	43	0.00
8/10/2010 15:00	20	1.3	2.9	88	22.6	72.7	38	0.00
8/10/2010 16:00	13	1.3	2.9	73	22.6	72.7	41	0.00
8/10/2010 17:00	51	3.2	7.2	274	17.0	62.6	56	0.04
8/10/2010 18:00	-5	1.3	2.9	227	12.8	55.0	79	0.02
8/10/2010 19:00	7	1.8	4.0	165	13.0	55.4	85	0.10
8/10/2010 20:00	7	1.3	2.9	212	12.3	54.1	87	0.05
8/10/2010 21:00	5	2.0	4.5	151	12.4	54.3	86	0.02
8/10/2010 22:00	18	1.0	2.2	253	12.1	53.8	86	0.00

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
8/10/2010 23:00	-1	0.7	1.6	245	10.7	51.3	90	0.00
8/11/2010 0:00	-4	0.8	1.8	224	9.9	49.8	91	0.00
8/11/2010 1:00	4	0.9	2.0	251	8.6	47.5	92	0.00
8/11/2010 3:00	-4	1.0	2.2	240	7.7	45.9	91	0.00
8/11/2010 4:00	14	0.9	2.0	91	7.7	45.9	92	0.00
8/11/2010 5:00	9	1.4	3.1	245	8.3	46.9	90	0.00
8/11/2010 6:00	-5	1.0	2.2	211	7.7	45.9	91	0.00
8/11/2010 7:00	18	0.9	2.0	201	9.3	48.7	86	0.00
8/11/2010 8:00	10	1.0	2.2	206	11.4	52.5	79	0.00
8/11/2010 9:00	3	1.2	2.7	220	14.4	57.9	67	0.00
8/11/2010 10:00	12	1.1	2.5	147	17.5	63.5	56	0.00
8/11/2010 11:00	104	1.9	4.3	34	18.6	65.5	58	0.00
8/11/2010 12:00	33	1.8	4.0	50	19.4	66.9	57	0.00
8/11/2010 13:00	55	2.1	4.7	34	20.7	69.3	53	0.00
8/11/2010 14:00	50	1.5	3.4	7	21.8	71.2	50	0.00
8/11/2010 15:00	47	2.2	4.9	5	22.5	72.5	48	0.00
8/11/2010 16:00	53	1.7	3.8	12	18.7	65.7	58	0.04
8/11/2010 17:00	8	2.5	5.6	138	12.2	54.0	83	0.42
8/11/2010 18:00	13	2.3	5.1	123	14.2	57.6	71	0.00
8/11/2010 19:00	10	0.7	1.6	2	13.6	56.5	76	0.00
8/11/2010 20:00	-5	0.8	1.8	297	11.9	53.4	84	0.00
8/11/2010 21:00	1	1.0	2.2	249	10.4	50.7	88	0.00
8/11/2010 22:00	15	0.9	2.0	202	10.5	50.9	83	0.00
8/11/2010 23:00	-5	0.6	1.3	185	8.9	48.0	90	0.00
8/12/2010 0:00	-3	0.7	1.6	186	9.0	48.2	88	0.00
8/12/2010 1:00	9	0.8	1.8	211	8.9	48.0	90	0.01
8/12/2010 2:00	18	0.7	1.6	237	8.2	46.8	90	0.00
8/12/2010 3:00	-5	0.6	1.3	217	6.5	43.7	91	0.00
8/12/2010 4:00	5	0.8	1.8	205	6.2	43.2	92	0.00
8/12/2010 5:00	10	0.7	1.6	221	5.6	42.1	92	0.00
8/12/2010 6:00	0	0.9	2.0	206	5.4	41.7	92	0.00
8/12/2010 7:00	32	0.9	2.0	203	7.4	45.3	86	0.00
8/12/2010 8:00	1	1.1	2.5	195	10.8	51.4	73	0.00
8/12/2010 9:00	6	1.0	2.2	126	14.1	57.4	65	0.00
8/12/2010 10:00	22	1.9	4.3	25	15.3	59.5	64	0.00
8/12/2010 11:00	21	2.5	5.6	21	16.9	62.4	61	0.00
8/12/2010 12:00	29	2.5	5.6	23	18.5	65.3	54	0.00
8/12/2010 13:00	26	2.8	6.3	336	20.8	69.4	42	0.00
8/12/2010 14:00	24	3.7	8.3	291	21.4	70.5	39	0.00
8/12/2010 15:00	20	3.4	7.6	296	21.9	71.4	38	0.00
8/12/2010 16:00	28	4.0	8.9	285	21.3	70.3	37	0.01
8/12/2010 17:00	4	3.2	7.2	282	20.4	68.7	39	0.00
8/12/2010 18:00	19	3.9	8.7	278	20.5	68.9	39	0.00
8/12/2010 19:00	15	2.5	5.6	285	18.8	65.8	40	0.00
8/12/2010 20:00	14	2.1	4.7	5	16.7	62.1	51	0.00
8/12/2010 21:00	2	2.5	5.6	57	14.9	58.8	61	0.00
8/12/2010 22:00	14	1.1	2.5	303	14.2	57.6	65	0.00
8/12/2010 23:00	10	1.2	2.7	244	12.9	55.2	72	0.00
8/13/2010 0:00	-2	0.5	1.1	164	12.1	53.8	74	0.00
8/13/2010 1:00	4	2.2	4.9	14	12.2	54.0	77	0.00
8/13/2010 2:00	0	1.5	3.4	337	11.8	53.2	76	0.00
8/13/2010 3:00	0	1.1	2.5	261	10.5	50.9	82	0.00
8/13/2010 4:00	-3	3.0	6.7	18	10.5	50.9	81	0.00
8/13/2010 5:00	-5	2.1	4.7	30	9.9	49.8	81	0.00
8/13/2010 6:00	-5	2.4	5.4	32	8.7	47.7	88	0.04
8/13/2010 7:00	4	1.1	2.5	335	8.5	47.3	90	0.03
8/13/2010 8:00	3	0.9	2.0	149	8.5	47.3	91	0.09
8/13/2010 9:00	9	0.7	1.6	185	9.2	48.6	89	0.02
8/13/2010 10:00	9	1.7	3.8	12	11.1	52.0	79	0.01
8/13/2010 11:00	2	2.6	5.8	13	10.8	51.4	79	0.00
8/13/2010 12:00	3	1.8	4.0	349	11.1	52.0	74	0.00
8/13/2010 13:00	1	1.7	3.8	328	13.3	55.9	65	0.00
8/13/2010 14:00	3	2.0	4.5	351	13.2	55.8	67	0.00
8/13/2010 15:00	-5	3.1	6.9	15	14.2	57.6	64	0.00
8/13/2010 16:00	-5	2.1	4.7	8	15.2	59.4	57	0.00
8/13/2010 17:00	1	2.3	5.1	11	16.5	61.7	51	0.00
8/13/2010 18:00	13	2.4	5.4	18	15.2	59.4	55	0.00
8/13/2010 19:00	6	2.6	5.8	13	14.4	57.9	58	0.00
8/13/2010 20:00	12	1.6	3.6	348	12.3	54.1	69	0.00
8/13/2010 21:00	-5	0.8	1.8	239	9.6	49.3	78	0.00
8/13/2010 22:00	30	0.6	1.3	249	7.4	45.3	86	0.00
8/13/2010 23:00	-5	0.7	1.6	184	5.9	42.6	89	0.00
8/14/2010 0:00	1	0.8	1.8	241	5.2	41.4	90	0.00
8/14/2010 1:00	-5	0.6	1.3	194	4.8	40.6	91	0.00
8/14/2010 2:00	-1	0.9	2.0	238	6.2	43.2	90	0.00
8/14/2010 3:00	2	0.6	1.3	124	6.8	44.2	90	0.01
8/14/2010 4:00	18	0.7	1.6	220	6.5	43.7	91	0.00
8/14/2010 5:00	3	0.5	1.1	246	7.3	45.1	89	0.00
8/14/2010 6:00	14	0.5	1.1	228	7.8	46.0	88	0.00
8/14/2010 7:00	10	0.5	1.1	189	8.7	47.7	83	0.00

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
8/14/2010 8:00	-5	0.5	1.1	172	10.3	50.5	76	0.00
8/14/2010 9:00	1	0.8	1.8	313	12.1	53.8	68	0.00
8/14/2010 10:00	2	0.9	2.0	281	13.5	56.3	63	0.00
8/14/2010 11:00	8	1.3	2.9	16	14.0	57.2	64	0.00
8/14/2010 12:00	-4	1.5	3.4	40	15.0	59.0	61	0.00
8/14/2010 13:00	7	1.2	2.7	5	17.5	63.5	48	0.01
8/14/2010 14:00	5	1.2	2.7	57	18.7	65.7	43	0.00
8/14/2010 15:00	6	1.5	3.4	76	18.5	65.3	47	0.00
8/14/2010 16:00	0	1.4	3.1	3	19.8	67.6	40	0.00
8/14/2010 17:00	8	1.5	3.4	23	20.4	68.7	39	0.00
8/14/2010 18:00	7	1.8	4.0	3	19.7	67.5	40	0.00
8/14/2010 19:00	2	1.5	3.4	351	18.7	65.7	43	0.00
8/14/2010 20:00	11	0.9	2.0	329	15.9	60.6	57	0.00
8/14/2010 21:00	6	1.1	2.5	349	13.2	55.8	71	0.00
8/14/2010 22:00	5	1.5	3.4	40	12.1	53.8	76	0.00
8/14/2010 23:00	-3	0.7	1.6	234	9.7	49.5	84	0.00
8/15/2010 0:00	1	0.7	1.6	248	7.7	45.9	89	0.00
8/15/2010 1:00	0	0.7	1.6	225	6.6	43.9	91	0.00
8/15/2010 2:00	-3	0.6	1.3	248	5.9	42.6	91	0.00
8/15/2010 3:00	-2	0.6	1.3	242	5.4	41.7	91	0.00
8/15/2010 4:00	6	0.8	1.8	228	5.6	42.1	91	0.00
8/15/2010 5:00	1	0.8	1.8	233	4.6	40.3	91	0.00
8/15/2010 6:00	-5	0.6	1.3	227	4.2	39.6	92	0.00
8/15/2010 7:00	17	0.9	2.0	152	6.8	44.2	85	0.00
8/15/2010 8:00	7	0.9	2.0	193	10.4	50.7	70	0.00
8/15/2010 9:00	-5	0.8	1.8	235	14.3	57.7	61	0.00
8/15/2010 10:00	6	1.5	3.4	163	17.1	62.8	50	0.00
8/15/2010 11:00	5	2.1	4.7	135	18.9	66.0	46	0.00
8/15/2010 12:00	12	1.5	3.4	144	20.9	69.6	39	0.00
8/15/2010 13:00	7	1.4	3.1	156	22.0	71.6	34	0.00
8/15/2010 14:00	6	1.3	2.9	258	23.1	73.6	28	0.00
8/15/2010 15:00	2	1.4	3.1	343	24.1	75.4	26	0.00
8/15/2010 16:00	8	1.8	4.0	34	24.5	76.1	26	0.00
8/15/2010 17:00	10	2.3	5.1	14	24.3	75.7	29	0.00
8/15/2010 18:00	9	2.5	5.6	8	23.5	74.3	35	0.00
8/15/2010 19:00	14	2.4	5.4	6	22.0	71.6	42	0.00
8/15/2010 20:00	17	1.1	2.5	330	18.6	65.5	53	0.00
8/15/2010 21:00	5	1.2	2.7	65	16.0	60.8	57	0.00
8/15/2010 22:00	18	0.8	1.8	45	13.8	56.8	60	0.00
8/15/2010 23:00	1	0.9	2.0	242	10.4	50.7	74	0.00
8/16/2010 0:00	20	0.7	1.6	250	8.3	46.9	82	0.00
8/16/2010 1:00	1	0.6	1.3	246	7.1	44.8	85	0.00
8/16/2010 2:00	6	0.8	1.8	231	7.1	44.8	83	0.00
8/16/2010 3:00	-1	0.9	2.0	240	6.9	44.4	82	0.00
8/16/2010 4:00	6	0.8	1.8	225	5.9	42.6	85	0.00
8/16/2010 5:00	19	0.7	1.6	217	5.7	42.3	86	0.00
8/16/2010 6:00	20	1.0	2.2	233	4.8	40.6	88	0.00
8/16/2010 7:00	7	0.7	1.6	210	7.7	45.9	76	0.00
8/16/2010 8:00	2	1.0	2.2	216	12.4	54.3	62	0.00
8/16/2010 9:00	21	1.1	2.5	191	16.5	61.7	51	0.00
8/16/2010 10:00	13	1.1	2.5	179	19.8	67.6	40	0.00
8/16/2010 11:00	61	1.5	3.4	168	21.9	71.4	37	0.00
8/16/2010 12:00	21	1.2	2.7	76	23.4	74.1	33	0.00
8/16/2010 13:00	12	1.3	2.9	308	24.9	76.8	29	0.00
8/16/2010 14:00	37	2.4	5.4	39	25.7	78.3	30	0.00
8/16/2010 15:00	53	2.9	6.5	19	26.3	79.3	27	0.00
8/16/2010 16:00	22	2.7	6.0	12	26.0	78.8	28	0.00
8/16/2010 17:00	15	3.0	6.7	13	26.1	79.0	30	0.00
8/16/2010 18:00	21	3.0	6.7	13	25.5	77.9	30	0.00
8/16/2010 19:00	15	1.6	3.6	359	24.6	76.3	32	0.00
8/16/2010 20:00	36	1.1	2.5	250	19.0	66.2	56	0.00
8/16/2010 21:00	22	0.9	2.0	232	14.5	58.1	69	0.00
8/16/2010 22:00	14	1.0	2.2	237	12.5	54.5	75	0.00
8/16/2010 23:00	12	0.9	2.0	231	11.4	52.5	75	0.00
8/17/2010 0:00	9	1.0	2.2	225	10.4	50.7	76	0.00
8/17/2010 1:00	13	1.1	2.5	221	9.9	49.8	78	0.00
8/17/2010 2:00	-3	0.9	2.0	222	8.5	47.3	82	0.00
8/17/2010 3:00	4	1.1	2.5	206	9.0	48.2	77	0.00
8/17/2010 4:00	16	0.9	2.0	212	8.7	47.7	77	0.00
8/17/2010 5:00	14	0.9	2.0	222	8.1	46.6	78	0.00
8/17/2010 6:00	49	0.7	1.6	193	7.4	45.3	82	0.00
8/17/2010 7:00	28	1.0	2.2	225	10.5	50.9	71	0.00
8/17/2010 8:00	26	1.3	2.9	181	14.3	57.7	59	0.00
8/17/2010 9:00	17	1.5	3.4	184	18.4	65.1	49	0.00
8/17/2010 10:00	17	1.3	2.9	185	22.1	71.8	40	0.00
8/17/2010 11:00	18	1.3	2.9	210	24.8	76.6	32	0.00
8/17/2010 12:00	27	2.1	4.7	225	26.3	79.3	26	0.00
8/17/2010 13:00	33	1.8	4.0	230	27.5	81.5	23	0.00
8/17/2010 14:00	28	2.1	4.7	36	28.2	82.8	23	0.00
8/17/2010 15:00	29	2.2	4.9	57	28.6	83.5	23	0.00
8/17/2010 16:00	19	2.4	5.4	26	28.8	83.8	23	0.00

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
8/17/2010 17:00	25	2.1	4.7	26	27.8	82.0	23	0.00
8/17/2010 18:00	41	2.2	4.9	12	26.6	79.9	25	0.00
8/17/2010 19:00	24	0.9	2.0	327	23.9	75.0	36	0.00
8/17/2010 20:00	295	0.8	1.8	251	20.7	69.3	50	0.00
8/17/2010 21:00	50	0.7	1.6	242	16.6	61.9	63	0.00
8/17/2010 22:00	23	0.8	1.8	230	14.6	58.3	66	0.00
8/17/2010 23:00	11	0.9	2.0	210	13.3	55.9	66	0.00
8/18/2010 0:00	18	1.0	2.2	191	12.0	53.6	69	0.00
8/18/2010 1:00	10	1.3	2.9	232	11.1	52.0	70	0.00
8/18/2010 2:00	6	1.0	2.2	203	9.3	48.7	75	0.00
8/18/2010 3:00	2	1.1	2.5	222	10.7	51.3	67	0.00
8/18/2010 4:00	16	1.3	2.9	222	12.3	54.1	60	0.00
8/18/2010 5:00	9	1.3	2.9	222	12.1	53.8	61	0.00
8/18/2010 6:00	26	1.1	2.5	202	11.3	52.3	63	0.00
8/18/2010 7:00	70	1.2	2.7	232	12.0	53.6	59	0.00
8/18/2010 8:00	49	1.4	3.1	171	15.7	60.3	50	0.00
8/18/2010 9:00	18	1.6	3.6	58	16.8	62.2	54	0.00
8/18/2010 10:00	28	1.1	2.5	45	19.9	67.8	42	0.00
8/18/2010 11:00	25	1.1	2.5	80	23.0	73.4	35	0.00
8/18/2010 12:00	45	1.5	3.4	62	24.9	76.8	35	0.00
8/18/2010 13:00	30	2.9	6.5	53	26.8	80.2	26	0.00
8/18/2010 14:00	24	1.8	4.0	76	29.1	84.4	18	0.00
8/18/2010 15:00	75	2.5	5.6	335	28.6	83.5	22	0.00
8/18/2010 16:00	38	1.8	4.0	322	26.8	80.2	25	0.00
8/18/2010 17:00	32	2.4	5.4	14	24.7	76.5	32	0.00
8/18/2010 18:00	22	2.5	5.6	17	25.4	77.7	31	0.00
8/18/2010 19:00	16	1.1	2.5	324	23.1	73.6	35	0.00
8/18/2010 20:00	24	2.1	4.7	358	21.9	71.4	35	0.00
8/18/2010 21:00	22	2.0	4.5	22	19.7	67.5	41	0.00
8/18/2010 22:00	16	1.2	2.7	318	17.7	63.9	46	0.00
8/18/2010 23:00	18	0.9	2.0	257	16.1	61.0	53	0.00
8/19/2010 0:00	13	0.8	1.8	240	15.0	59.0	58	0.00
8/19/2010 1:00	23	0.6	1.3	243	12.7	54.9	71	0.00
8/19/2010 2:00	5	1.1	2.5	228	11.4	52.5	71	0.00
8/19/2010 3:00	11	1.2	2.7	213	10.1	50.2	73	0.00
8/19/2010 4:00	6	0.9	2.0	199	10.4	50.7	71	0.00
8/19/2010 5:00	13	1.1	2.5	202	10.0	50.0	72	0.00
8/19/2010 6:00	5	0.7	1.6	134	9.0	48.2	74	0.00
8/19/2010 7:00	49	1.1	2.5	209	11.7	53.1	64	0.00
8/19/2010 8:00	30	1.2	2.7	193	16.5	61.7	51	0.00
8/19/2010 9:00	49	2.0	4.5	215	19.4	66.9	44	0.00
8/19/2010 10:00	59	2.8	6.3	224	21.0	69.8	40	0.00
8/19/2010 11:00	45	2.2	4.9	219	23.3	73.9	34	0.00
8/19/2010 12:00	39	2.3	5.1	242	24.7	76.5	29	0.00
8/19/2010 13:00	39	2.9	6.5	284	25.4	77.7	26	0.00
8/19/2010 14:00	33	3.3	7.4	284	26.6	79.9	22	0.00
8/19/2010 15:00	41	3.4	7.6	284	27.3	81.1	20	0.00
8/19/2010 16:00	24	3.2	7.2	286	26.7	80.1	21	0.00
8/19/2010 17:00	22	3.2	7.2	286	26.8	80.2	22	0.00
8/19/2010 18:00	18	3.3	7.4	288	25.9	78.6	23	0.00
8/19/2010 19:00	18	2.9	6.5	291	24.5	76.1	24	0.00
8/19/2010 20:00	15	2.7	6.0	294	22.3	72.1	28	0.00
8/19/2010 21:00	21	2.0	4.5	292	20.5	68.9	31	0.00
8/19/2010 22:00	23	1.1	2.5	225	17.3	63.1	39	0.00
8/19/2010 23:00	7	1.0	2.2	270	16.2	61.2	37	0.00
8/20/2010 0:00	20	1.0	2.2	256	13.9	57.0	42	0.00
8/20/2010 1:00	8	0.9	2.0	198	10.0	50.0	56	0.00
8/20/2010 2:00	25	1.1	2.5	234	7.5	45.5	65	0.00
8/20/2010 3:00	4	1.0	2.2	205	7.1	44.8	66	0.00
8/20/2010 4:00	25	0.9	2.0	192	7.7	45.9	62	0.00
8/20/2010 5:00	4	1.1	2.5	196	7.3	45.1	62	0.00
8/20/2010 6:00	15	0.9	2.0	208	7.0	44.6	62	0.00
8/20/2010 7:00	20	1.3	2.9	200	8.8	47.8	54	0.00
8/20/2010 8:00	46	1.0	2.2	193	12.9	55.2	46	0.00
8/20/2010 9:00	26	1.5	3.4	164	17.7	63.9	36	0.00
8/20/2010 10:00	22	1.4	3.1	218	20.6	69.1	28	0.00
8/20/2010 11:00	49	2.3	5.1	211	22.6	72.7	24	0.00
8/20/2010 12:00	70	2.8	6.3	221	23.7	74.7	21	0.00
8/20/2010 13:00	53	3.1	6.9	224	25.1	77.2	20	0.00
8/20/2010 14:00	55	2.9	6.5	220	26.5	79.7	18	0.00
8/20/2010 15:00	51	2.5	5.6	213	27.3	81.1	16	0.00
8/20/2010 16:00	55	2.6	5.8	223	27.8	82.0	15	0.00
8/20/2010 17:00	29	2.2	4.9	219	28.1	82.6	14	0.00
8/20/2010 18:00	34	2.1	4.7	226	27.7	81.9	15	0.00
8/20/2010 19:00	44	2.6	5.8	335	25.3	77.5	19	0.00
8/20/2010 20:00	21	1.4	3.1	324	20.4	68.7	33	0.00
8/20/2010 21:00	8	1.6	3.6	250	16.7	62.1	39	0.00
8/20/2010 22:00	22	1.1	2.5	245	14.0	57.2	46	0.00
8/20/2010 23:00	13	0.9	2.0	244	11.7	53.1	54	0.00
8/21/2010 0:00	19	0.7	1.6	208	9.9	49.8	63	0.00
8/21/2010 1:00	9	0.9	2.0	236	8.5	47.3	64	0.00

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
8/21/2010 2:00	12	0.8	1.8	235	7.7	45.9	67	0.00
8/21/2010 3:00	14	1.1	2.5	223	6.9	44.4	68	0.00
8/21/2010 4:00	-2	1.2	2.7	244	8.1	46.6	60	0.00
8/21/2010 5:00	9	0.8	1.8	222	6.4	43.5	68	0.00
8/21/2010 6:00	-5	1.3	2.9	240	6.9	44.4	65	0.00
8/21/2010 7:00	27	1.7	3.8	229	10.0	50.0	54	0.00
8/21/2010 8:00	10	1.3	2.9	209	13.3	55.9	45	0.00
8/21/2010 9:00	29	1.8	4.0	185	18.2	64.8	36	0.00
8/21/2010 10:00	15	1.8	4.0	167	23.0	73.4	29	0.00
8/21/2010 11:00	35	2.1	4.7	199	26.6	79.9	21	0.00
8/21/2010 12:00	51	4.3	9.6	234	27.4	81.3	19	0.00
8/21/2010 13:00	73	5.1	11.4	236	28.9	84.0	13	0.00
8/21/2010 14:00	32	5.4	12.1	242	30.1	86.2	12	0.00
8/21/2010 15:00	29	4.9	11.0	243	30.6	87.1	9	0.00
8/21/2010 16:00	22	4.3	9.6	238	31.0	87.8	8	0.00
8/21/2010 17:00	15	3.2	7.2	237	30.6	87.1	9	0.00
8/21/2010 18:00	79	1.9	4.3	219	29.5	85.1	13	0.00
8/21/2010 19:00	59	2.1	4.7	193	27.4	81.3	17	0.00
8/21/2010 20:00	38	2.3	5.1	219	25.9	78.6	19	0.00
8/21/2010 21:00	47	2.1	4.7	227	24.1	75.4	22	0.00
8/21/2010 22:00	20	2.6	5.8	225	23.5	74.3	23	0.00
8/21/2010 23:00	13	2.7	6.0	225	23.0	73.4	22	0.00
8/22/2010 0:00	25	0.8	1.8	210	21.1	70.0	28	0.00
8/22/2010 1:00	28	2.2	4.9	232	20.3	68.5	31	0.00
8/22/2010 2:00	22	0.9	2.0	223	18.7	65.7	38	0.00
8/22/2010 3:00	17	1.5	3.4	203	19.3	66.7	34	0.00
8/22/2010 4:00	37	1.7	3.8	221	20.1	68.2	32	0.00
8/22/2010 5:00	17	0.6	1.3	207	16.8	62.2	42	0.00
8/22/2010 6:00	17	0.6	1.3	151	15.2	59.4	45	0.00
8/22/2010 7:00	12	0.8	1.8	175	14.5	58.1	49	0.00
8/22/2010 8:00	24	0.9	2.0	228	17.3	63.1	44	0.00
8/22/2010 9:00	30	1.8	4.0	207	21.5	70.7	32	0.00
8/22/2010 10:00	45	2.1	4.7	9	21.7	71.1	32	0.00
8/22/2010 11:00	57	3.4	7.6	235	23.2	73.8	28	0.00
8/22/2010 12:00	61	4.7	10.5	238	24.2	75.6	21	0.00
8/22/2010 13:00	57	3.8	8.5	354	24.4	75.9	26	0.00
8/22/2010 14:00	26	2.3	5.1	341	22.8	73.0	28	0.00
8/22/2010 15:00	51	4.3	9.6	32	20.7	69.3	35	0.00
8/22/2010 16:00	44	3.8	8.5	16	20.4	68.7	36	0.00
8/22/2010 17:00	76	3.0	6.7	60	17.2	63.0	51	0.00
8/22/2010 18:00	28	3.5	7.8	61	13.2	55.8	69	0.03
8/22/2010 19:00	7	2.5	5.6	15	11.9	53.4	77	0.03
8/22/2010 20:00	14	2.1	4.7	273	10.7	51.3	82	0.03
8/22/2010 21:00	5	2.9	6.5	264	9.4	48.9	83	0.03
8/22/2010 22:00	7	2.2	4.9	271	8.7	47.7	84	0.04
8/22/2010 23:00	8	0.6	1.3	227	8.4	47.1	85	0.02
8/23/2010 0:00	7	0.7	1.6	229	7.8	46.0	86	0.00
8/23/2010 1:00	11	1.1	2.5	243	7.3	45.1	87	0.00
8/23/2010 2:00	9	1.3	2.9	242	7.4	45.3	82	0.00
8/23/2010 3:00	10	1.3	2.9	182	7.2	45.0	79	0.00
8/23/2010 4:00	2	1.2	2.7	274	7.1	44.8	78	0.00
8/23/2010 5:00	6	1.4	3.1	271	7.9	46.2	73	0.00
8/23/2010 6:00	-5	0.9	2.0	228	6.5	43.7	78	0.00
8/23/2010 7:00	10	0.9	2.0	258	6.3	43.3	77	0.00
8/23/2010 8:00	-5	1.1	2.5	171	9.9	49.8	64	0.00
8/23/2010 9:00	7	2.0	4.5	233	11.5	52.7	56	0.00
8/23/2010 10:00	17	2.6	5.8	263	12.9	55.2	47	0.00
8/23/2010 11:00	8	3.2	7.2	277	14.2	57.6	41	0.00
8/23/2010 12:00	6	2.9	6.5	276	15.3	59.5	39	0.00
8/23/2010 13:00	17	2.6	5.8	298	16.8	62.2	34	0.00
8/23/2010 14:00	21	3.0	6.7	293	17.8	64.0	32	0.00
8/23/2010 15:00	21	3.2	7.2	292	18.5	65.3	28	0.00
8/23/2010 16:00	16	3.1	6.9	291	19.1	66.4	27	0.00
8/23/2010 17:00	11	3.3	7.4	298	19.0	66.2	26	0.00
8/23/2010 18:00	13	3.2	7.2	293	18.5	65.3	25	0.00
8/23/2010 19:00	12	3.2	7.2	292	17.5	63.5	24	0.00
8/23/2010 20:00	10	1.7	3.8	311	14.9	58.8	32	0.00
8/23/2010 21:00	10	1.7	3.8	29	12.3	54.1	45	0.00
8/23/2010 22:00	15	1.2	2.7	248	9.0	48.2	57	0.00
8/23/2010 23:00	18	1.1	2.5	217	5.3	41.5	71	0.00
8/24/2010 0:00	16	0.8	1.8	240	3.3	37.9	79	0.00
8/24/2010 1:00	-5	0.7	1.6	230	3.0	37.4	79	0.00
8/24/2010 2:00	22	0.8	1.8	233	3.0	37.4	80	0.00
8/24/2010 3:00	-5	0.7	1.6	216	1.9	35.4	83	0.00
8/24/2010 4:00	14	1.1	2.5	238	2.6	36.7	79	0.00
8/24/2010 5:00	19	1.1	2.5	221	3.7	38.7	74	0.00
8/24/2010 6:00	11	0.8	1.8	225	3.0	37.4	77	0.00
8/24/2010 7:00	-4	1.1	2.5	222	5.1	41.2	68	0.00
8/24/2010 8:00	12	1.7	3.8	158	8.7	47.7	58	0.00
8/24/2010 9:00	16	1.7	3.8	156	12.1	53.8	48	0.00

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
8/24/2010 10:00	16	1.4	3.1	112	15.1	59.2	41	0.00
8/24/2010 11:00	21	1.5	3.4	59	17.0	62.6	40	0.00
8/24/2010 12:00	31	2.0	4.5	43	18.5	65.3	38	0.00
8/24/2010 13:00	55	1.8	4.0	56	20.4	68.7	34	0.00
8/24/2010 14:00	27	1.6	3.6	38	22.8	73.0	28	0.00
8/24/2010 15:00	16	1.5	3.4	49	24.1	75.4	26	0.00
8/24/2010 16:00	14	1.9	4.3	39	24.7	76.5	25	0.00
8/24/2010 17:00	13	1.8	4.0	11	24.9	76.8	25	0.00
8/24/2010 18:00	17	2.0	4.5	10	24.1	75.4	26	0.00
8/24/2010 19:00	18	1.3	2.9	357	22.4	72.3	30	0.00
8/24/2010 20:00	102	1.0	2.2	255	16.9	62.4	49	0.00
8/24/2010 21:00	27	0.6	1.3	234	12.5	54.5	64	0.00
8/24/2010 22:00	27	0.9	2.0	235	10.2	50.4	71	0.00
8/24/2010 23:00	22	1.0	2.2	229	9.7	49.5	68	0.00
8/25/2010 0:00	20	0.8	1.8	222	8.3	46.9	74	0.00
8/25/2010 1:00	8	0.9	2.0	237	7.0	44.6	75	0.00
8/25/2010 2:00	-5	0.9	2.0	230	5.9	42.6	79	0.00
8/25/2010 3:00	5	1.3	2.9	234	7.4	45.3	71	0.00
8/25/2010 4:00	14	1.5	3.4	219	9.4	48.9	66	0.00
8/25/2010 5:00	6	1.4	3.1	224	9.0	48.2	67	0.00
8/25/2010 6:00	10	1.6	3.6	175	9.5	49.1	65	0.00
8/25/2010 7:00	4	1.3	2.9	199	10.1	50.2	62	0.00
8/25/2010 8:00	15	1.7	3.8	200	13.1	55.6	52	0.00
8/25/2010 9:00	27	1.5	3.4	215	16.6	61.9	47	0.00
8/25/2010 10:00	25	1.9	4.3	176	21.7	71.1	36	0.00
8/25/2010 11:00	25	1.7	3.8	186	25.5	77.9	24	0.00
8/25/2010 12:00	48	2.6	5.8	224	26.5	79.7	21	0.00
8/25/2010 13:00	14	2.3	5.1	213	28.3	82.9	16	0.00
8/25/2010 14:00	53	2.3	5.1	212	29.7	85.5	14	0.00
8/25/2010 15:00	28	2.4	5.4	224	30.4	86.7	14	0.00
8/25/2010 16:00	19	2.3	5.1	271	31.1	88.0	11	0.00
8/25/2010 17:00	7	2.5	5.6	289	30.8	87.4	10	0.00
8/25/2010 18:00	26	2.5	5.6	294	29.9	85.8	11	0.00
8/25/2010 19:00	16	1.2	2.7	303	28.0	82.4	14	0.00
8/25/2010 20:00	39	1.1	2.5	270	21.4	70.5	31	0.00
8/25/2010 21:00	34	1.0	2.2	230	14.8	58.6	52	0.00
8/25/2010 22:00	63	1.0	2.2	234	11.6	52.9	60	0.00
8/25/2010 23:00	11	1.3	2.9	228	11.6	52.9	55	0.00
8/26/2010 0:00	16	1.4	3.1	228	10.8	51.4	57	0.00
8/26/2010 1:00	16	1.0	2.2	220	9.6	49.3	60	0.00
8/26/2010 2:00	11	1.3	2.9	233	8.8	47.8	61	0.00
8/26/2010 3:00	6	1.3	2.9	222	10.1	50.2	55	0.00
8/26/2010 4:00	27	1.2	2.7	209	11.0	51.8	51	0.00
8/26/2010 5:00	-2	1.4	3.1	233	10.1	50.2	54	0.00
8/26/2010 6:00	19	1.6	3.6	214	10.6	51.1	52	0.00
8/26/2010 7:00	19	1.8	4.0	194	12.3	54.1	47	0.00
8/26/2010 8:00	52	2.0	4.5	188	15.6	60.1	39	0.00
8/26/2010 9:00	60	2.9	6.5	165	19.4	66.9	33	0.00
8/26/2010 10:00	35	2.2	4.9	179	24.8	76.6	23	0.00
8/26/2010 11:00	61	2.6	5.8	216	27.9	82.2	17	0.00
8/26/2010 12:00	43	3.7	8.3	234	29.6	85.3	15	0.00
8/26/2010 13:00	53	2.7	6.0	223	31.0	87.8	14	0.00
8/26/2010 14:00	136	4.4	9.8	226	31.8	89.2	13	0.00
8/26/2010 15:00	66	4.6	10.3	228	32.1	89.8	12	0.00
8/26/2010 16:00	66	4.2	9.4	222	31.5	88.7	16	0.00
8/26/2010 17:00	149	3.6	8.1	227	29.2	84.6	20	0.00
8/26/2010 18:00	66	2.5	5.6	226	28.7	83.7	21	0.00
8/26/2010 19:00	66	3.1	6.9	218	26.9	80.4	25	0.00
8/26/2010 20:00	49	1.1	2.5	241	22.4	72.3	37	0.00
8/26/2010 21:00	28	1.6	3.6	222	18.8	65.8	49	0.00
8/26/2010 22:00	53	4.0	8.9	231	20.6	69.1	50	0.00
8/26/2010 23:00	5	1.6	3.6	192	17.8	64.0	59	0.00
8/27/2010 0:00	61	3.5	7.8	269	18.8	65.8	53	0.00
8/27/2010 1:00	154	3.3	7.4	286	18.0	64.4	48	0.00
8/27/2010 2:00	196	3.0	6.7	278	17.0	62.6	46	0.00
8/27/2010 3:00	244	2.5	5.6	265	16.2	61.2	47	0.00
8/27/2010 4:00	324	2.7	6.0	265	15.2	59.4	51	0.00
8/27/2010 5:00	360	2.6	5.8	270	14.1	57.4	55	0.00
8/27/2010 6:00	308	2.0	4.5	311	12.6	54.7	60	0.00
8/27/2010 7:00	201	2.8	6.3	359	11.1	52.0	60	0.00
8/27/2010 8:00	142	3.2	7.2	18	11.8	53.2	55	0.00
8/27/2010 9:00	200	3.8	8.5	21	12.4	54.3	49	0.00
8/27/2010 10:00	105	3.9	8.7	24	13.6	56.5	45	0.00
8/27/2010 11:00	101	3.7	8.3	26	14.9	58.8	42	0.00
8/27/2010 12:00	137	3.3	7.4	22	16.2	61.2	40	0.00
8/27/2010 13:00	91	3.2	7.2	18	17.5	63.5	37	0.00
8/27/2010 14:00	70	3.9	8.7	17	18.4	65.1	33	0.00
8/27/2010 15:00	61	4.2	9.4	19	19.1	66.4	28	0.00
8/27/2010 16:00	73	4.8	10.7	17	19.4	66.9	24	0.00
8/27/2010 17:00	89	5.3	11.9	24	18.8	65.8	23	0.00
8/27/2010 18:00	79	5.1	11.4	36	17.9	64.2	24	0.00

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
8/27/2010 19:00	37	4.0	8.9	30	16.3	61.3	26	0.00
8/27/2010 20:00	18	2.9	6.5	20	13.9	57.0	31	0.00
8/27/2010 21:00	21	1.1	2.5	278	10.3	50.5	41	0.00
8/27/2010 22:00	22	1.3	2.9	257	9.2	48.6	44	0.00
8/27/2010 23:00	14	1.0	2.2	287	8.8	47.8	47	0.00
8/28/2010 0:00	18	1.1	2.5	240	7.9	46.2	52	0.00
8/28/2010 1:00	25	0.7	1.6	247	5.2	41.4	64	0.00
8/28/2010 2:00	14	0.5	1.1	261	2.6	36.7	75	0.00
8/28/2010 3:00	47	0.8	1.8	246	1.7	35.1	78	0.00
8/28/2010 4:00	-5	0.7	1.6	237	0.9	33.6	79	0.00
8/28/2010 5:00	12	0.8	1.8	224	0.1	32.2	81	0.00
8/28/2010 6:00	16	0.9	2.0	231	-0.1	31.8	81	0.00
8/28/2010 7:00	31	0.7	1.6	236	1.5	34.7	74	0.00
8/28/2010 8:00	31	0.8	1.8	155	5.5	41.9	60	0.00
8/28/2010 9:00	15	0.8	1.8	275	8.3	46.9	51	0.00
8/28/2010 10:00	22	1.6	3.6	18	11.1	52.0	41	0.00
8/28/2010 11:00	21	1.8	4.0	6	11.9	53.4	41	0.00
8/28/2010 12:00	16	2.2	4.9	23	11.3	52.3	44	0.00
8/28/2010 13:00	25	1.6	3.6	1	11.7	53.1	44	0.00
8/28/2010 14:00	55	1.0	2.2	68	12.2	54.0	46	0.00
8/28/2010 15:00	23	1.1	2.5	216	13.5	56.3	41	0.00
8/28/2010 16:00	24	1.2	2.7	356	14.6	58.3	38	0.00
8/28/2010 17:00	18	1.6	3.6	11	14.7	58.5	39	0.00
8/28/2010 18:00	21	2.4	5.4	13	14.2	57.6	39	0.00
8/28/2010 19:00	31	2.2	4.9	353	13.1	55.6	44	0.00
8/28/2010 20:00	22	2.1	4.7	354	12.2	54.0	45	0.00
8/28/2010 21:00	42	1.0	2.2	79	10.3	50.5	54	0.00
8/28/2010 22:00	25	0.7	1.6	229	8.5	47.3	65	0.00
8/28/2010 23:00	23	0.8	1.8	236	8.6	47.5	69	0.00
8/29/2010 0:00	27	0.8	1.8	233	8.5	47.3	69	0.00
8/29/2010 1:00	22	1.0	2.2	288	8.7	47.7	66	0.00
8/29/2010 2:00	19	1.2	2.7	321	9.1	48.4	58	0.00
8/29/2010 3:00	20	0.7	1.6	284	8.2	46.8	63	0.00
8/29/2010 4:00	16	0.9	2.0	239	7.5	45.5	67	0.00
8/29/2010 5:00	14	0.6	1.3	255	6.8	44.2	72	0.00
8/29/2010 6:00	10	0.4	0.9	15	6.7	44.1	73	0.00
8/29/2010 7:00	9	0.6	1.3	49	7.7	45.9	66	0.00
8/29/2010 8:00	16	1.9	4.3	12	8.3	46.9	63	0.00
8/29/2010 9:00	53	1.6	3.6	353	8.3	46.9	66	0.00
8/29/2010 10:00	33	1.9	4.3	2	8.7	47.7	66	0.00
8/29/2010 11:00	55	2.3	5.1	14	9.3	48.7	64	0.00
8/29/2010 12:00	29	2.6	5.8	23	10.1	50.2	62	0.00
8/29/2010 13:00	40	2.9	6.5	15	10.1	50.2	69	0.00
8/29/2010 14:00	11	3.4	7.6	19	10.4	50.7	67	0.01
8/29/2010 15:00	8	2.9	6.5	19	10.1	50.2	66	0.00
8/29/2010 16:00	1	2.4	5.4	8	9.1	48.4	74	0.00
8/29/2010 17:00	7	1.4	3.1	344	8.2	46.8	81	0.02
8/29/2010 18:00	-2	1.1	2.5	338	7.8	46.0	84	0.03
8/29/2010 19:00	15	1.1	2.5	274	7.1	44.8	87	0.03
8/29/2010 20:00	-5	0.9	2.0	259	7.0	44.6	85	0.02
8/29/2010 21:00	13	0.7	1.6	259	6.7	44.1	87	0.01
8/29/2010 22:00	-5	1.3	2.9	284	6.3	43.3	86	0.01
8/29/2010 23:00	8	1.3	2.9	278	5.4	41.7	85	0.04
8/30/2010 0:00	15	0.9	2.0	247	5.1	41.2	85	0.00
8/30/2010 1:00	-1	0.8	1.8	248	5.0	41.0	84	0.00
8/30/2010 2:00	-4	0.4	0.9	248	4.7	40.5	88	0.00
8/30/2010 3:00	11	0.5	1.1	259	4.5	40.1	90	0.00
8/30/2010 4:00	-5	0.5	1.1	253	4.6	40.3	88	0.00
8/30/2010 5:00	3	0.6	1.3	249	4.9	40.8	88	0.00
8/30/2010 6:00	3	0.8	1.8	265	4.9	40.8	89	0.02
8/30/2010 7:00	12	0.6	1.3	313	4.9	40.8	88	0.01
8/30/2010 8:00	-4	0.5	1.1	351	5.1	41.2	89	0.01
8/30/2010 9:00	11	1.0	2.2	36	5.9	42.6	85	0.07
8/30/2010 10:00	3	0.7	1.6	47	6.4	43.5	81	0.00
8/30/2010 11:00	-3	0.7	1.6	117	6.9	44.4	79	0.00
8/30/2010 12:00	4	0.7	1.6	37	8.3	46.9	73	0.02
8/30/2010 13:00	11	0.8	1.8	39	9.0	48.2	71	0.00
8/30/2010 14:00	2	0.9	2.0	124	8.5	47.3	78	0.01
8/30/2010 15:00	2	1.0	2.2	201	8.6	47.5	79	0.05
8/30/2010 16:00	-4	1.2	2.7	168	10.8	51.4	65	0.01
8/30/2010 17:00	18	2.0	4.5	227	10.7	51.3	63	0.00
8/30/2010 18:00	-4	2.1	4.7	283	7.9	46.2	75	0.01
8/30/2010 19:00	2	0.8	1.8	91	8.3	46.9	74	0.00
8/30/2010 20:00	11	0.8	1.8	204	7.2	45.0	80	0.00
8/30/2010 21:00	-5	0.9	2.0	167	5.9	42.6	83	0.00
8/30/2010 22:00	-4	1.0	2.2	207	4.2	39.6	87	0.00
8/30/2010 23:00	32	0.9	2.0	226	4.3	39.7	85	0.00
8/31/2010 0:00	0	1.1	2.5	212	4.1	39.4	86	0.00
8/31/2010 1:00	-3	1.1	2.5	190	3.7	38.7	86	0.00
8/31/2010 2:00	10	1.3	2.9	187	4.4	39.9	83	0.00

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)	Precipitation Hourly (inches)
8/31/2010 3:00	2	1.3	2.9	173	4.7	40.5	82	0.00
8/31/2010 4:00	8	1.3	2.9	173	4.7	40.5	82	0.00
8/31/2010 5:00	-2	1.3	2.9	181	4.8	40.6	82	0.00
8/31/2010 6:00	10	1.4	3.1	197	4.3	39.7	83	0.00
8/31/2010 7:00	-1	1.4	3.1	195	5.0	41.0	79	0.00
8/31/2010 8:00	-2	1.4	3.1	182	5.4	41.7	80	0.00
8/31/2010 9:00	14	1.6	3.6	206	6.9	44.4	74	0.01
8/31/2010 10:00	2	1.9	4.3	218	10.3	50.5	60	0.00
8/31/2010 11:00	8	1.8	4.0	210	11.2	52.2	57	0.00
8/31/2010 11:00	8	1.8	4.0	210	11.2	52.2	57	0.00
8/31/2010 12:00	BA	BA	BA	BA	11.9	53.4	53	0.00
8/31/2010 13:00	5	3.5	7.8	228	12.1	53.8	51	0.00
8/31/2010 14:00	9	2.9	6.5	226	13.0	55.4	49	0.00
8/31/2010 15:00	8	3.7	8.3	233	13.7	56.7	44	0.00
8/31/2010 16:00	-1	2.7	6.0	231	14.8	58.6	39	0.00
8/31/2010 17:00	9	3.1	6.9	230	14.3	57.7	40	0.00
8/31/2010 18:00	11	2.1	4.7	219	14.6	58.3	41	0.00
8/31/2010 19:00	4	1.2	2.7	204	12.6	54.7	47	0.00
8/31/2010 20:00	6	1.1	2.5	201	11.1	52.0	54	0.00
8/31/2010 21:00	1	0.7	1.6	187	9.6	49.3	61	0.00
8/31/2010 22:00	4	1.1	2.5	181	9.9	49.8	58	0.00
8/31/2010 23:00	1	1.4	3.1	174	10.1	50.2	57	0.00
9/1/2010 0:00	4	1.7	3.8	215	11.0	51.8	54	0.00

BA = Routine maintenance / repairs

**Table 6**  
**Warm Springs Site Hourly Average Data**  
**Met One E-BAM**  
**August 2010**

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
8/1/2010 1:00	12	0.7	1.6	247	12.8	55.0	AN
8/1/2010 2:00	1	1.0	2.2	191	12.3	54.1	AN
8/1/2010 3:00	6	0.9	2.0	172	11.9	53.4	AN
8/1/2010 4:00	91	0.7	1.6	48	10.6	51.1	AN
8/1/2010 5:00	115	0.6	1.3	268	8.2	46.8	AN
8/1/2010 6:00	57	0.6	1.3	309	8.5	47.3	AN
8/1/2010 7:00	-5	1.3	2.9	100	10.1	50.2	AN
8/1/2010 8:00	30	1.2	2.7	233	14.0	57.2	AN
8/1/2010 9:00	5	1.8	4.0	202	17.3	63.1	AN
8/1/2010 10:00	8	1.6	3.6	218	20.1	68.2	AN
8/1/2010 11:00	13	1.5	3.4	204	23.6	74.5	AN
8/1/2010 12:00	11	1.0	2.2	25	21.7	71.1	AN
8/1/2010 13:00	1	1.8	4.0	239	21.2	70.2	AN
8/1/2010 14:00	25	2.8	6.3	228	25.1	77.2	AN
8/1/2010 15:00	12	2.1	4.7	302	26.5	79.7	AN
8/1/2010 16:00	18	1.5	3.4	3	26.4	79.5	AN
8/1/2010 17:00	4	1.3	2.9	0	24.5	76.1	AN
8/1/2010 18:00	8	1.5	3.4	358	23.7	74.7	AN
8/1/2010 19:00	17	1.2	2.7	11	23.0	73.4	AN
8/1/2010 20:00	19	1.6	3.6	42	22.0	71.6	AN
8/1/2010 21:00	2	1.1	2.5	42	19.4	66.9	AN
8/1/2010 22:00	14	1.1	2.5	318	16.3	61.3	AN
8/1/2010 23:00	49	1.1	2.5	315	12.9	55.2	AN
8/2/2010 0:00	20	0.6	1.3	220	10.5	50.9	AN
8/2/2010 1:00	0	0.6	1.3	151	9.5	49.1	AN
8/2/2010 2:00	12	1.1	2.5	187	10.0	50.0	AN
8/2/2010 3:00	22	0.9	2.0	155	8.6	47.5	AN
8/2/2010 4:00	13	0.7	1.6	268	7.0	44.6	AN
8/2/2010 5:00	-5	0.8	1.8	175	6.7	44.1	AN
8/2/2010 6:00	6	1.4	3.1	195	7.7	45.9	AN
8/2/2010 7:00	19	0.8	1.8	188	9.8	49.6	AN
8/2/2010 8:00	5	0.8	1.8	325	13.3	55.9	AN
8/2/2010 9:00	22	1.1	2.5	332	16.5	61.7	AN
8/2/2010 10:00	14	1.4	3.1	6	19.1	66.4	AN
8/2/2010 11:00	17	1.6	3.6	7	20.7	69.3	AN
8/2/2010 12:00	13	1.6	3.6	5	22.3	72.1	AN
8/2/2010 13:00	15	1.9	4.3	357	23.6	74.5	AN
8/2/2010 14:00	14	2.1	4.7	354	24.9	76.8	AN
8/2/2010 15:00	8	2.1	4.7	354	25.4	77.7	AN
8/2/2010 16:00	16	1.9	4.3	357	25.8	78.4	AN
8/2/2010 17:00	7	1.9	4.3	349	26.0	78.8	AN
8/2/2010 18:00	3	1.8	4.0	345	24.6	76.3	AN
8/2/2010 19:00	9	1.4	3.1	343	22.2	72.0	AN
8/2/2010 20:00	14	1.1	2.5	327	18.6	65.5	AN
8/2/2010 21:00	10	0.6	1.3	231	14.0	57.2	AN
8/2/2010 22:00	13	0.8	1.8	184	13.0	55.4	AN
8/2/2010 23:00	13	0.8	1.8	179	12.5	54.5	AN
8/3/2010 0:00	30	0.8	1.8	135	11.4	52.5	AN
8/3/2010 1:00	5	1.1	2.5	168	10.3	50.5	AN
8/3/2010 2:00	10	0.7	1.6	3	8.5	47.3	AN
8/3/2010 3:00	4	0.6	1.3	210	6.4	43.5	AN
8/3/2010 4:00	26	0.8	1.8	169	8.3	46.9	AN
8/3/2010 5:00	8	1.1	2.5	169	8.1	46.6	AN
8/3/2010 6:00	13	1.3	2.9	186	8.1	46.6	AN
8/3/2010 7:00	15	1.2	2.7	195	10.3	50.5	AN
8/3/2010 8:00	25	0.9	2.0	183	14.8	58.6	AN
8/3/2010 9:00	27	0.9	2.0	313	17.7	63.9	AN
8/3/2010 10:00	17	1.2	2.7	359	19.6	67.3	AN
8/3/2010 11:00	21	1.4	3.1	10	21.4	70.5	AN
8/3/2010 12:00	17	1.5	3.4	11	23.7	74.7	AN
8/3/2010 13:00	20	1.5	3.4	12	24.9	76.8	AN
8/3/2010 14:00	9	1.8	4.0	354	24.3	75.7	AN
8/3/2010 15:00	21	2.6	5.8	347	24.9	76.8	AN
8/3/2010 16:00	6	2.8	6.3	336	24.0	75.2	AN
8/3/2010 17:00	23	3.0	6.7	344	23.1	73.6	AN
8/3/2010 18:00	35	4.3	9.6	345	22.5	72.5	AN
8/3/2010 19:00	22	4.4	9.8	341	19.8	67.6	AN
8/3/2010 20:00	23	4.0	8.9	345	17.5	63.5	AN
8/3/2010 21:00	19	2.7	6.0	351	16.1	61.0	AN
8/3/2010 22:00	22	2.9	6.5	344	15.3	59.5	AN
8/3/2010 23:00	28	0.8	1.8	37	14.0	57.2	AN
8/4/2010 0:00	25	0.6	1.3	30	13.8	56.8	AN
8/4/2010 1:00	20	0.4	0.9	69	13.2	55.8	AN
8/4/2010 2:00	18	0.5	1.1	4	12.8	55.0	AN
8/4/2010 3:00	7	0.7	1.6	353	12.8	55.0	AN
8/4/2010 4:00	4	0.4	0.9	107	11.7	53.1	AN

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
8/4/2010 5:00	3	0.4	0.9	232	9.5	49.1	AN
8/4/2010 6:00	19	0.3	0.7	159	9.5	49.1	AN
8/4/2010 7:00	19	0.5	1.1	252	12.1	53.8	AN
8/4/2010 8:00	3	0.8	1.8	168	13.9	57.0	AN
8/4/2010 9:00	10	0.6	1.3	207	14.8	58.6	AN
8/4/2010 10:00	13	1.0	2.2	285	16.5	61.7	AN
8/4/2010 11:00	10	1.1	2.5	12	19.1	66.4	AN
8/4/2010 12:00	23	1.4	3.1	335	20.8	69.4	AN
8/4/2010 13:00	10	1.6	3.6	336	22.4	72.3	AN
8/4/2010 14:00	15	1.5	3.4	354	22.4	72.3	AN
8/4/2010 15:00	8	1.2	2.7	350	21.4	70.5	AN
8/4/2010 16:00	23	1.0	2.2	6	23.2	73.8	AN
8/4/2010 17:00	15	1.9	4.3	352	24.2	75.6	AN
8/4/2010 18:00	15	1.4	3.1	359	24.3	75.7	AN
8/4/2010 19:00	4	2.1	4.7	344	22.3	72.1	AN
8/4/2010 20:00	5	1.2	2.7	17	19.2	66.6	AN
8/4/2010 21:00	-1	1.2	2.7	23	17.4	63.3	AN
8/4/2010 22:00	9	0.6	1.3	62	15.9	60.6	AN
8/4/2010 23:00	-5	0.7	1.6	286	12.6	54.7	AN
8/5/2010 0:00	20	0.3	0.7	136	11.0	51.8	AN
8/5/2010 1:00	12	0.7	1.6	215	10.3	50.5	AN
8/5/2010 2:00	6	0.8	1.8	186	9.8	49.6	AN
8/5/2010 3:00	16	0.9	2.0	180	9.5	49.1	AN
8/5/2010 4:00	5	0.8	1.8	141	8.9	48.0	AN
8/5/2010 5:00	8	0.8	1.8	167	8.9	48.0	AN
8/5/2010 6:00	19	1.1	2.5	174	8.8	47.8	AN
8/5/2010 7:00	19	0.9	2.0	205	10.7	51.3	AN
8/5/2010 8:00	10	1.4	3.1	191	15.2	59.4	AN
8/5/2010 9:00	16	1.4	3.1	238	18.5	65.3	AN
8/5/2010 10:00	9	1.2	2.7	298	21.1	70.0	53
8/5/2010 11:00	26	1.3	2.9	154	24.0	75.2	45
8/5/2010 12:00	18	1.4	3.1	166	26.3	79.3	37
8/5/2010 13:00	15	1.2	2.7	140	28.7	83.7	31
8/5/2010 14:00	9	1.4	3.1	65	29.7	85.5	28
8/5/2010 15:00	10	1.8	4.0	7	30.4	86.7	26
8/5/2010 16:00	11	2.1	4.7	353	29.6	85.3	27
8/5/2010 17:00	31	2.7	6.0	342	25.7	78.3	37
8/5/2010 18:00	-5	4.5	10.1	196	15.7	60.3	86
8/5/2010 19:00	20	1.1	2.5	353	15.6	60.1	90
8/5/2010 20:00	12	1.1	2.5	245	15.1	59.2	92
8/5/2010 21:00	12	1.0	2.2	205	14.5	58.1	93
8/5/2010 22:00	13	1.3	2.9	186	14.1	57.4	92
8/5/2010 23:00	2	1.9	4.3	213	13.9	57.0	90
8/6/2010 0:00	5	1.2	2.7	182	13.7	56.7	89
8/6/2010 1:00	-2	1.1	2.5	302	11.7	53.1	91
8/6/2010 2:00	4	0.7	1.6	104	11.7	53.1	90
8/6/2010 3:00	3	1.0	2.2	174	11.3	52.3	90
8/6/2010 4:00	10	0.9	2.0	224	10.6	51.1	89
8/6/2010 5:00	-2	2.0	4.5	195	12.5	54.5	84
8/6/2010 6:00	14	2.9	6.5	183	15.4	59.7	74
8/6/2010 7:00	2	2.3	5.1	219	15.3	59.5	75
8/6/2010 8:00	12	2.0	4.5	203	17.9	64.2	65
8/6/2010 9:00	9	1.0	2.2	14	19.4	66.9	57
8/6/2010 10:00	18	1.6	3.6	172	22.4	72.3	46
8/6/2010 11:00	5	2.2	4.9	174	24.9	76.8	37
8/6/2010 12:00	13	2.5	5.6	167	26.8	80.2	31
8/6/2010 13:00	9	2.1	4.7	140	28.3	82.9	28
8/6/2010 14:00	11	2.3	5.1	162	29.4	84.9	26
8/6/2010 15:00	6	2.5	5.6	344	28.3	82.9	34
8/6/2010 16:00	-1	4.6	10.3	321	22.3	72.1	44
8/6/2010 17:00	-5	2.3	5.1	97	18.5	65.3	53
8/6/2010 18:00	25	2.7	6.0	164	18.1	64.6	60
8/6/2010 19:00	15	3.0	6.7	185	17.9	64.2	61
8/6/2010 20:00	7	2.0	4.5	203	17.9	64.2	55
8/6/2010 21:00	5	2.4	5.4	193	16.3	61.3	65
8/6/2010 22:00	7	2.5	5.6	185	17.0	62.6	58
8/6/2010 23:00	6	2.7	6.0	179	18.3	64.9	50
8/7/2010 0:00	10	3.2	7.2	182	18.4	65.1	50
8/7/2010 1:00	10	2.8	6.3	190	17.7	63.9	52
8/7/2010 2:00	7	1.8	4.0	195	16.3	61.3	58
8/7/2010 3:00	6	3.4	7.6	176	15.9	60.6	60
8/7/2010 4:00	10	3.8	8.5	179	16.4	61.5	59
8/7/2010 5:00	0	2.5	5.6	185	16.4	61.5	58
8/7/2010 6:00	6	1.4	3.1	183	14.9	58.8	64
8/7/2010 7:00	-5	2.0	4.5	190	14.9	58.8	66
8/7/2010 8:00	15	2.3	5.1	158	16.6	61.9	61
8/7/2010 9:00	3	3.1	6.9	198	19.4	66.9	50
8/7/2010 10:00	0	2.2	4.9	170	20.2	68.4	49
8/7/2010 11:00	19	2.2	4.9	162	23.2	73.8	38
8/7/2010 12:00	8	2.1	4.7	157	24.7	76.5	35
8/7/2010 13:00	10	1.6	3.6	280	25.6	78.1	33

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
8/7/2010 14:00	2	1.0	2.2	62	23.4	74.1	44
8/7/2010 15:00	14	1.3	2.9	118	25.9	78.6	36
8/7/2010 16:00	1	3.5	7.8	308	27.3	81.1	25
8/7/2010 17:00	9	3.8	8.5	289	26.8	80.2	24
8/7/2010 18:00	7	2.4	5.4	332	24.6	76.3	34
8/7/2010 19:00	15	1.8	4.0	356	22.6	72.7	38
8/7/2010 20:00	17	1.8	4.0	132	20.7	69.3	47
8/7/2010 21:00	26	2.9	6.5	197	18.4	65.1	59
8/7/2010 22:00	-5	2.7	6.0	183	14.8	58.6	77
8/7/2010 23:00	19	2.1	4.7	199	13.6	56.5	79
8/8/2010 0:00	28	1.3	2.9	159	12.2	54.0	84
8/8/2010 1:00	4	1.1	2.5	157	11.2	52.2	86
8/8/2010 2:00	2	1.0	2.2	199	10.5	50.9	86
8/8/2010 3:00	15	1.5	3.4	179	10.5	50.9	86
8/8/2010 4:00	12	1.4	3.1	178	10.2	50.4	86
8/8/2010 5:00	1	1.5	3.4	195	9.8	49.6	87
8/8/2010 6:00	9	1.8	4.0	190	10.1	50.2	84
8/8/2010 7:00	7	2.1	4.7	202	11.5	52.7	78
8/8/2010 8:00	10	1.8	4.0	179	14.4	57.9	69
8/8/2010 9:00	9	1.9	4.3	143	17.5	63.5	63
8/8/2010 10:00	18	2.3	5.1	164	20.7	69.3	50
8/8/2010 11:00	11	2.9	6.5	155	23.3	73.9	41
8/8/2010 12:00	13	2.8	6.3	260	23.9	75.0	38
8/8/2010 13:00	22	1.8	4.0	1	22.7	72.9	44
8/8/2010 14:00	10	1.2	2.7	34	22.7	72.9	43
8/8/2010 15:00	17	1.8	4.0	345	24.0	75.2	41
8/8/2010 16:00	20	1.4	3.1	53	24.0	75.2	39
8/8/2010 17:00	9	2.4	5.4	177	19.9	67.8	54
8/8/2010 18:00	3	2.1	4.7	173	17.9	64.2	64
8/8/2010 19:00	1	1.6	3.6	223	16.8	62.2	72
8/8/2010 20:00	12	1.1	2.5	288	15.1	59.2	79
8/8/2010 21:00	10	0.5	1.1	95	12.8	55.0	88
8/8/2010 22:00	22	0.7	1.6	167	12.7	54.9	87
8/8/2010 23:00	-5	1.0	2.2	167	12.3	54.1	86
8/9/2010 0:00	1	1.0	2.2	205	12.3	54.1	85
8/9/2010 1:00	18	1.0	2.2	208	11.8	53.2	87
8/9/2010 2:00	8	0.8	1.8	160	10.6	51.1	90
8/9/2010 3:00	11	1.0	2.2	149	10.0	50.0	89
8/9/2010 4:00	3	1.0	2.2	226	8.5	47.3	90
8/9/2010 5:00	-3	1.0	2.2	169	9.0	48.2	90
8/9/2010 6:00	1	1.3	2.9	195	9.4	48.9	87
8/9/2010 7:00	21	1.4	3.1	201	10.8	51.4	83
8/9/2010 8:00	5	1.3	2.9	217	11.6	52.9	83
8/9/2010 9:00	17	1.3	2.9	104	14.2	57.6	75
8/9/2010 10:00	6	0.9	2.0	216	16.6	61.9	65
8/9/2010 11:00	14	0.8	1.8	48	19.9	67.8	55
8/9/2010 12:00	16	1.8	4.0	119	22.8	73.0	47
8/9/2010 13:00	11	4.2	9.4	150	24.2	75.6	38
8/9/2010 14:00	-5	3.5	7.8	189	23.2	73.8	39
8/9/2010 15:00	18	3.0	6.7	228	22.2	72.0	41
8/9/2010 16:00	6	2.9	6.5	223	22.8	73.0	41
8/9/2010 17:00	12	3.9	8.7	225	24.1	75.4	35
8/9/2010 18:00	13	2.5	5.6	157	22.4	72.3	43
8/9/2010 19:00	-5	1.8	4.0	62	17.2	63.0	60
8/9/2010 20:00	10	0.9	2.0	294	15.3	59.5	73
8/9/2010 21:00	-5	1.0	2.2	220	13.9	57.0	80
8/9/2010 22:00	16	2.0	4.5	178	13.9	57.0	83
8/9/2010 23:00	3	2.5	5.6	176	14.8	58.6	73
8/10/2010 0:00	14	3.5	7.8	167	15.3	59.5	67
8/10/2010 1:00	2	3.8	8.5	162	15.5	59.9	65
8/10/2010 2:00	12	3.8	8.5	172	14.9	58.8	65
8/10/2010 3:00	7	4.0	8.9	176	14.6	58.3	65
8/10/2010 4:00	1	3.7	8.3	181	15.1	59.2	61
8/10/2010 5:00	-1	3.2	7.2	181	15.0	59.0	61
8/10/2010 6:00	2	3.1	6.9	185	14.7	58.5	60
8/10/2010 7:00	-1	2.9	6.5	178	14.9	58.8	60
8/10/2010 8:00	12	2.7	6.0	164	17.3	63.1	53
8/10/2010 9:00	0	2.6	5.8	155	19.2	66.6	48
8/10/2010 10:00	9	3.8	8.5	305	18.6	65.5	51
8/10/2010 11:00	7	1.6	3.6	62	15.5	59.9	74
8/10/2010 12:00	8	1.4	3.1	38	17.8	64.0	64
8/10/2010 13:00	3	1.6	3.6	358	20.1	68.2	49
8/10/2010 14:00	10	2.0	4.5	336	21.0	69.8	46
8/10/2010 15:00	-1	1.8	4.0	339	22.5	72.5	44
8/10/2010 16:00	5	1.4	3.1	353	22.7	72.9	42
8/10/2010 17:00	-5	2.8	6.3	304	17.4	63.3	62
8/10/2010 18:00	-5	2.1	4.7	126	13.8	56.8	79
8/10/2010 19:00	7	2.1	4.7	183	14.0	57.2	83
8/10/2010 20:00	9	1.3	2.9	222	13.0	55.4	88
8/10/2010 21:00	11	1.7	3.8	58	13.1	55.6	87
8/10/2010 22:00	10	1.1	2.5	218	12.6	54.7	88

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
8/10/2010 23:00	-5	0.9	2.0	172	11.7	53.1	91
8/11/2010 0:00	2	0.7	1.6	178	11.0	51.8	91
8/11/2010 1:00	16	1.2	2.7	202	10.0	50.0	91
8/11/2010 2:00	0	1.8	4.0	135	10.4	50.7	88
8/11/2010 3:00	1	1.2	2.7	265	9.0	48.2	89
8/11/2010 4:00	21	0.9	2.0	97	8.5	47.3	91
8/11/2010 5:00	-5	1.0	2.2	279	8.0	46.4	91
8/11/2010 6:00	1	1.2	2.7	175	8.3	46.9	92
8/11/2010 7:00	17	1.3	2.9	199	10.1	50.2	88
8/11/2010 8:00	2	2.1	4.7	212	12.5	54.5	79
8/11/2010 9:00	7	1.9	4.3	174	14.9	58.8	71
8/11/2010 10:00	5	1.5	3.4	91	17.6	63.7	64
8/11/2010 11:00	10	1.4	3.1	1	18.5	65.3	63
8/11/2010 12:00	10	1.2	2.7	14	20.4	68.7	55
8/11/2010 13:00	13	1.4	3.1	6	21.7	71.1	51
8/11/2010 14:00	2	1.4	3.1	336	22.4	72.3	50
8/11/2010 15:00	8	1.8	4.0	347	23.1	73.6	46
8/11/2010 16:00	6	1.5	3.4	42	20.0	68.0	57
8/11/2010 17:00	-5	2.9	6.5	145	13.1	55.6	84
8/11/2010 18:00	18	2.1	4.7	333	14.5	58.1	78
8/11/2010 19:00	11	1.2	2.7	7	14.1	57.4	79
8/11/2010 20:00	-5	0.8	1.8	20	12.5	54.5	83
8/11/2010 21:00	15	0.7	1.6	220	10.1	50.2	90
8/11/2010 22:00	17	1.3	2.9	134	10.9	51.6	89
8/11/2010 23:00	4	0.9	2.0	282	9.7	49.5	89
8/12/2010 0:00	-5	0.9	2.0	137	9.3	48.7	91
8/12/2010 1:00	1	0.9	2.0	281	9.2	48.6	90
8/12/2010 2:00	8	0.7	1.6	259	7.6	45.7	91
8/12/2010 3:00	6	1.0	2.2	184	7.5	45.5	92
8/12/2010 4:00	-5	0.8	1.8	174	7.7	45.9	91
8/12/2010 5:00	9	1.0	2.2	187	7.3	45.1	91
8/12/2010 6:00	-4	0.8	1.8	198	6.8	44.2	92
8/12/2010 7:00	2	0.8	1.8	210	7.8	46.0	89
8/12/2010 8:00	15	1.7	3.8	201	11.5	52.7	77
8/12/2010 9:00	-4	1.2	2.7	233	14.2	57.6	68
8/12/2010 10:00	12	1.2	2.7	31	16.2	61.2	64
8/12/2010 11:00	14	1.3	2.9	21	18.1	64.6	59
8/12/2010 12:00	6	1.4	3.1	43	19.5	67.1	52
8/12/2010 13:00	6	1.5	3.4	8	21.2	70.2	46
8/12/2010 14:00	5	1.8	4.0	4	22.0	71.6	45
8/12/2010 15:00	6	2.1	4.7	332	22.2	72.0	42
8/12/2010 16:00	2	3.6	8.1	272	21.8	71.2	39
8/12/2010 17:00	-5	3.9	8.7	291	21.3	70.3	40
8/12/2010 18:00	5	3.4	7.6	284	20.7	69.3	42
8/12/2010 19:00	4	1.6	3.6	281	19.4	66.9	46
8/12/2010 20:00	5	1.8	4.0	66	16.8	62.2	58
8/12/2010 21:00	1	1.5	3.4	75	15.7	60.3	62
8/12/2010 22:00	20	0.8	1.8	247	14.7	58.5	67
8/12/2010 23:00	4	0.9	2.0	260	12.6	54.7	80
8/13/2010 0:00	19	0.7	1.6	169	13.0	55.4	78
8/13/2010 1:00	14	1.2	2.7	18	13.2	55.8	77
8/13/2010 2:00	-5	1.6	3.6	348	12.5	54.5	76
8/13/2010 3:00	11	1.3	2.9	324	11.1	52.0	83
8/13/2010 4:00	-3	1.7	3.8	28	10.9	51.6	83
8/13/2010 5:00	-5	1.2	2.7	49	10.0	50.0	87
8/13/2010 6:00	-4	0.8	1.8	65	9.2	48.6	89
8/13/2010 7:00	1	1.1	2.5	333	9.2	48.6	90
8/13/2010 8:00	12	1.0	2.2	127	9.6	49.3	90
8/13/2010 9:00	-5	0.8	1.8	45	10.6	51.1	83
8/13/2010 10:00	2	1.2	2.7	7	12.4	54.3	76
8/13/2010 11:00	3	2.2	4.9	354	12.6	54.7	76
8/13/2010 12:00	-4	2.1	4.7	347	13.2	55.8	69
8/13/2010 13:00	5	2.0	4.5	341	14.5	58.1	64
8/13/2010 14:00	7	2.0	4.5	348	13.8	56.8	70
8/13/2010 15:00	0	1.9	4.3	355	15.4	59.7	64
8/13/2010 16:00	3	1.8	4.0	2	17.2	63.0	53
8/13/2010 17:00	3	2.1	4.7	356	17.7	63.9	49
8/13/2010 18:00	-5	1.6	3.6	3	17.5	63.5	50
8/13/2010 19:00	-3	1.6	3.6	356	16.6	61.9	53
8/13/2010 20:00	2	2.2	4.9	340	12.8	55.0	71
8/13/2010 21:00	-5	0.6	1.3	319	9.6	49.3	81
8/13/2010 22:00	-1	0.4	0.9	126	7.6	45.7	90
8/13/2010 23:00	-5	0.7	1.6	203	7.4	45.3	90
8/14/2010 0:00	4	0.6	1.3	252	6.1	43.0	90
8/14/2010 1:00	16	0.6	1.3	151	7.0	44.6	91
8/14/2010 2:00	2	0.8	1.8	254	8.1	46.6	89
8/14/2010 3:00	1	0.9	2.0	162	7.8	46.0	89
8/14/2010 4:00	17	0.9	2.0	172	8.3	46.9	87
8/14/2010 5:00	-5	0.7	1.6	192	8.7	47.7	87
8/14/2010 6:00	-5	0.6	1.3	202	8.7	47.7	87

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
8/14/2010 7:00	16	0.6	1.3	209	9.6	49.3	85
8/14/2010 8:00	-3	0.5	1.1	288	10.7	51.3	80
8/14/2010 9:00	3	0.8	1.8	328	12.5	54.5	75
8/14/2010 10:00	7	1.3	2.9	316	14.9	58.8	64
8/14/2010 11:00	8	1.2	2.7	1	15.0	59.0	66
8/14/2010 12:00	-5	1.4	3.1	357	16.0	60.8	62
8/14/2010 13:00	7	1.3	2.9	283	18.2	64.8	51
8/14/2010 14:00	-5	1.4	3.1	328	18.4	65.1	48
8/14/2010 15:00	-1	1.4	3.1	305	19.9	67.8	44
8/14/2010 16:00	9	1.5	3.4	344	20.7	69.3	41
8/14/2010 17:00	-3	1.9	4.3	341	20.7	69.3	42
8/14/2010 18:00	-2	2.0	4.5	343	20.2	68.4	43
8/14/2010 19:00	-4	1.8	4.0	340	18.9	66.0	50
8/14/2010 20:00	2	1.4	3.1	347	14.9	58.8	68
8/14/2010 21:00	-5	1.3	2.9	357	13.4	56.1	74
8/14/2010 22:00	5	0.5	1.1	30	12.6	54.7	77
8/14/2010 23:00	1	0.5	1.1	41	12.0	53.6	78
8/15/2010 0:00	24	0.6	1.3	254	9.4	48.9	85
8/15/2010 1:00	-5	0.5	1.1	302	7.4	45.3	90
8/15/2010 2:00	1	0.7	1.6	210	7.2	45.0	91
8/15/2010 3:00	15	0.9	2.0	167	7.0	44.6	91
8/15/2010 4:00	-5	1.0	2.2	176	6.6	43.9	91
8/15/2010 5:00	3	1.0	2.2	184	6.3	43.3	91
8/15/2010 6:00	-5	1.2	2.7	195	6.3	43.3	91
8/15/2010 7:00	12	1.5	3.4	203	7.8	46.0	85
8/15/2010 8:00	-3	1.8	4.0	202	11.2	52.2	71
8/15/2010 9:00	5	1.2	2.7	206	14.6	58.3	61
8/15/2010 10:00	15	1.3	2.9	241	17.2	63.0	52
8/15/2010 11:00	11	1.3	2.9	275	19.2	66.6	48
8/15/2010 12:00	2	1.3	2.9	331	20.8	69.4	43
8/15/2010 13:00	10	1.7	3.8	277	22.3	72.1	37
8/15/2010 14:00	0	1.3	2.9	236	23.8	74.8	31
8/15/2010 15:00	7	1.3	2.9	270	24.7	76.5	26
8/15/2010 16:00	-1	1.7	3.8	344	24.7	76.5	29
8/15/2010 17:00	3	1.8	4.0	349	24.6	76.3	33
8/15/2010 18:00	-5	1.8	4.0	350	24.0	75.2	37
8/15/2010 19:00	3	1.6	3.6	349	22.3	72.1	45
8/15/2010 20:00	-2	1.7	3.8	341	17.8	64.0	61
8/15/2010 21:00	-5	1.3	2.9	355	15.5	59.9	61
8/15/2010 22:00	4	0.7	1.6	341	14.3	57.7	62
8/15/2010 23:00	-5	0.4	0.9	191	11.1	52.0	76
8/16/2010 0:00	29	0.5	1.1	139	9.6	49.3	85
8/16/2010 1:00	-3	0.7	1.6	166	9.1	48.4	84
8/16/2010 2:00	20	1.0	2.2	151	8.6	47.5	84
8/16/2010 3:00	0	0.9	2.0	148	7.6	45.7	87
8/16/2010 4:00	-5	0.8	1.8	155	7.2	45.0	86
8/16/2010 5:00	14	1.0	2.2	184	7.2	45.0	85
8/16/2010 6:00	6	1.4	3.1	190	7.5	45.5	84
8/16/2010 7:00	16	1.7	3.8	194	9.0	48.2	77
8/16/2010 8:00	3	1.7	3.8	191	12.9	55.2	63
8/16/2010 9:00	18	1.6	3.6	193	16.4	61.5	55
8/16/2010 10:00	10	1.3	2.9	224	19.9	67.8	42
8/16/2010 11:00	12	1.2	2.7	326	21.6	70.9	39
8/16/2010 12:00	6	1.2	2.7	193	23.8	74.8	35
8/16/2010 13:00	10	1.5	3.4	3	24.8	76.6	36
8/16/2010 14:00	6	1.6	3.6	9	26.0	78.8	33
8/16/2010 15:00	5	1.9	4.3	0	26.7	80.1	28
8/16/2010 16:00	7	2.0	4.5	357	26.8	80.2	29
8/16/2010 17:00	5	2.0	4.5	357	26.6	79.9	30
8/16/2010 18:00	9	1.6	3.6	353	26.1	79.0	31
8/16/2010 19:00	2	0.9	2.0	348	24.9	76.8	35
8/16/2010 20:00	-1	0.3	0.7	330	21.0	69.8	46
8/16/2010 21:00	-5	0.7	1.6	273	15.7	60.3	64
8/16/2010 22:00	4	1.0	2.2	145	13.8	56.8	73
8/16/2010 23:00	8	1.1	2.5	136	13.4	56.1	74
8/17/2010 0:00	20	1.1	2.5	156	12.3	54.1	75
8/17/2010 1:00	3	1.3	2.9	188	12.2	54.0	72
8/17/2010 2:00	3	1.1	2.5	178	11.7	53.1	73
8/17/2010 3:00	21	1.2	2.7	209	10.3	50.5	78
8/17/2010 4:00	9	1.5	3.4	198	10.0	50.0	78
8/17/2010 5:00	17	1.1	2.5	153	9.5	49.1	79
8/17/2010 6:00	1	1.5	3.4	198	9.6	49.3	78
8/17/2010 7:00	20	1.4	3.1	193	10.9	51.6	74
8/17/2010 8:00	7	1.6	3.6	186	14.9	58.8	62
8/17/2010 9:00	17	1.3	2.9	159	19.5	67.1	50
8/17/2010 10:00	19	1.0	2.2	79	22.2	72.0	45
8/17/2010 11:00	11	1.8	4.0	137	24.9	76.8	37
8/17/2010 12:00	6	1.7	3.8	171	26.6	79.9	28
8/17/2010 13:00	19	1.8	4.0	9	27.2	81.0	33
8/17/2010 14:00	4	1.6	3.6	4	27.6	81.7	32
8/17/2010 15:00	25	1.6	3.6	2	28.4	83.1	27

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
8/17/2010 16:00	8	1.6	3.6	359	28.7	83.7	26
8/17/2010 17:00	18	1.5	3.4	360	28.6	83.5	25
8/17/2010 18:00	8	1.6	3.6	349	27.5	81.5	29
8/17/2010 19:00	-2	1.5	3.4	335	23.9	75.0	43
8/17/2010 20:00	1	0.7	1.6	324	20.9	69.6	56
8/17/2010 21:00	1	0.7	1.6	162	17.1	62.8	71
8/17/2010 22:00	5	1.4	3.1	137	16.3	61.3	64
8/17/2010 23:00	3	1.3	2.9	163	15.8	60.4	62
8/18/2010 0:00	24	1.2	2.7	153	12.9	55.2	71
8/18/2010 1:00	7	1.4	3.1	179	13.1	55.6	67
8/18/2010 2:00	10	1.6	3.6	177	12.5	54.5	68
8/18/2010 3:00	15	1.5	3.4	159	11.3	52.3	71
8/18/2010 4:00	3	1.3	2.9	163	11.8	53.2	67
8/18/2010 5:00	17	1.4	3.1	170	11.9	53.4	67
8/18/2010 6:00	-1	1.3	2.9	201	10.6	51.1	72
8/18/2010 7:00	6	1.5	3.4	178	12.3	54.1	63
8/18/2010 8:00	22	0.9	2.0	354	15.1	59.2	58
8/18/2010 9:00	14	0.8	1.8	3	16.9	62.4	54
8/18/2010 10:00	22	1.1	2.5	223	20.4	68.7	43
8/18/2010 11:00	20	1.1	2.5	214	23.2	73.8	39
8/18/2010 12:00	21	1.3	2.9	8	25.5	77.9	36
8/18/2010 13:00	10	1.4	3.1	33	27.6	81.7	27
8/18/2010 14:00	16	1.9	4.3	358	29.0	84.2	22
8/18/2010 15:00	3	3.5	7.8	335	28.2	82.8	25
8/18/2010 16:00	6	1.9	4.3	329	26.6	79.9	30
8/18/2010 17:00	-5	1.6	3.6	25	23.6	74.5	40
8/18/2010 18:00	17	2.0	4.5	349	25.4	77.7	35
8/18/2010 19:00	17	0.8	1.8	38	23.6	74.5	41
8/18/2010 20:00	-3	0.8	1.8	345	20.1	68.2	48
8/18/2010 21:00	0	1.2	2.7	345	17.8	64.0	52
8/18/2010 22:00	8	0.9	2.0	296	15.8	60.4	58
8/18/2010 23:00	9	0.9	2.0	283	14.5	58.1	66
8/19/2010 0:00	23	0.4	0.9	219	13.8	56.8	72
8/19/2010 1:00	7	0.9	2.0	181	13.1	55.6	73
8/19/2010 2:00	6	1.2	2.7	160	12.9	55.2	69
8/19/2010 3:00	7	1.3	2.9	157	12.0	53.6	71
8/19/2010 4:00	14	1.9	4.3	185	12.1	53.8	66
8/19/2010 5:00	11	1.1	2.5	175	11.2	52.2	70
8/19/2010 6:00	-5	1.5	3.4	172	11.2	52.2	69
8/19/2010 7:00	11	1.7	3.8	170	12.8	55.0	63
8/19/2010 8:00	19	2.3	5.1	183	16.7	62.1	53
8/19/2010 9:00	27	2.9	6.5	187	20.4	68.7	44
8/19/2010 10:00	18	3.2	7.2	194	22.7	72.9	36
8/19/2010 11:00	18	2.8	6.3	230	24.4	75.9	31
8/19/2010 12:00	8	3.4	7.6	270	24.8	76.6	29
8/19/2010 13:00	10	3.8	8.5	272	26.4	79.5	26
8/19/2010 14:00	7	4.2	9.4	274	26.8	80.2	23
8/19/2010 15:00	6	4.2	9.4	293	27.3	81.1	21
8/19/2010 16:00	20	3.9	8.7	293	27.3	81.1	21
8/19/2010 17:00	8	4.0	8.9	294	26.9	80.4	22
8/19/2010 18:00	-1	3.7	8.3	297	25.8	78.4	25
8/19/2010 19:00	5	2.9	6.5	310	23.5	74.3	30
8/19/2010 20:00	-5	2.3	5.1	312	19.4	66.9	38
8/19/2010 21:00	-5	2.3	5.1	317	16.2	61.2	46
8/19/2010 22:00	5	1.2	2.7	137	15.9	60.6	42
8/19/2010 23:00	16	1.1	2.5	40	16.3	61.3	38
8/20/2010 0:00	25	0.7	1.6	181	12.1	53.8	56
8/20/2010 1:00	6	0.9	2.0	175	7.9	46.2	69
8/20/2010 2:00	8	1.3	2.9	175	9.7	49.5	62
8/20/2010 3:00	1	1.7	3.8	208	9.4	48.9	59
8/20/2010 4:00	14	1.7	3.8	210	9.4	48.9	58
8/20/2010 5:00	15	2.2	4.9	200	9.4	48.9	57
8/20/2010 6:00	-5	2.1	4.7	213	8.3	46.9	59
8/20/2010 7:00	4	2.1	4.7	216	9.1	48.4	56
8/20/2010 8:00	16	2.4	5.4	189	13.7	56.7	46
8/20/2010 9:00	16	2.6	5.8	180	17.8	64.0	37
8/20/2010 10:00	18	2.9	6.5	188	21.1	70.0	29
8/20/2010 11:00	10	2.8	6.3	185	23.2	73.8	24
8/20/2010 12:00	10	3.2	7.2	206	24.8	76.6	20
8/20/2010 13:00	2	3.8	8.5	206	26.1	79.0	18
8/20/2010 14:00	4	3.2	7.2	208	27.0	80.6	17
8/20/2010 15:00	15	2.7	6.0	199	27.9	82.2	16
8/20/2010 16:00	4	2.6	5.8	216	28.3	82.9	15
8/20/2010 17:00	7	1.9	4.3	247	27.8	82.0	18
8/20/2010 18:00	0	1.5	3.4	257	28.0	82.4	18
8/20/2010 19:00	5	1.5	3.4	357	24.5	76.1	26
8/20/2010 20:00	-4	1.0	2.2	336	19.4	66.9	39
8/20/2010 21:00	-2	0.8	1.8	267	12.4	54.3	63
8/20/2010 22:00	-2	0.6	1.3	222	11.6	52.9	64
8/20/2010 23:00	8	0.5	1.1	185	9.7	49.5	71
8/21/2010 0:00	15	0.8	1.8	130	9.1	48.4	73

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
8/21/2010 1:00	9	1.3	2.9	165	10.2	50.4	64
8/21/2010 2:00	7	1.5	3.4	146	8.5	47.3	70
8/21/2010 3:00	10	1.6	3.6	170	9.4	48.9	63
8/21/2010 4:00	11	1.1	2.5	226	9.0	48.2	62
8/21/2010 5:00	6	1.0	2.2	143	7.2	45.0	71
8/21/2010 6:00	2	1.9	4.3	220	8.5	47.3	62
8/21/2010 7:00	9	1.5	3.4	192	9.9	49.8	60
8/21/2010 8:00	9	2.6	5.8	189	14.3	57.7	45
8/21/2010 9:00	20	2.3	5.1	207	19.5	67.1	35
8/21/2010 10:00	13	2.5	5.6	193	24.7	76.5	27
8/21/2010 11:00	10	2.9	6.5	177	27.0	80.6	20
8/21/2010 12:00	12	4.7	10.5	221	28.6	83.5	16
8/21/2010 13:00	10	5.2	11.6	235	29.6	85.3	11
8/21/2010 14:00	8	5.4	12.1	243	30.3	86.5	11
8/21/2010 15:00	4	4.6	10.3	243	30.7	87.3	11
8/21/2010 16:00	6	4.3	9.6	230	31.4	88.5	8
8/21/2010 17:00	16	3.4	7.6	235	30.8	87.4	9
8/21/2010 18:00	-2	2.9	6.5	205	29.5	85.1	12
8/21/2010 19:00	-5	3.0	6.7	186	26.9	80.4	19
8/21/2010 20:00	3	2.8	6.3	197	25.7	78.3	19
8/21/2010 21:00	4	0.7	1.6	71	22.6	72.7	30
8/21/2010 22:00	-4	1.2	2.7	165	20.7	69.3	35
8/21/2010 23:00	9	2.3	5.1	238	22.6	72.7	24
8/22/2010 0:00	25	2.3	5.1	187	22.1	71.8	26
8/22/2010 1:00	12	2.1	4.7	207	20.7	69.3	30
8/22/2010 2:00	6	1.6	3.6	216	20.2	68.4	33
8/22/2010 3:00	16	2.0	4.5	195	20.1	68.2	34
8/22/2010 4:00	9	2.0	4.5	223	19.8	67.6	35
8/22/2010 5:00	1	1.6	3.6	201	18.5	65.3	37
8/22/2010 6:00	9	1.4	3.1	174	17.4	63.3	41
8/22/2010 7:00	2	1.6	3.6	182	17.1	62.8	43
8/22/2010 8:00	16	1.7	3.8	272	19.4	66.9	39
8/22/2010 9:00	17	1.8	4.0	2	19.7	67.5	36
8/22/2010 10:00	18	2.3	5.1	353	20.6	69.1	35
8/22/2010 11:00	22	1.8	4.0	11	22.9	73.2	31
8/22/2010 12:00	13	2.5	5.6	349	24.4	75.9	30
8/22/2010 13:00	8	2.8	6.3	351	22.9	73.2	33
8/22/2010 14:00	12	1.8	4.0	9	22.6	72.7	33
8/22/2010 15:00	0	1.6	3.6	34	21.0	69.8	37
8/22/2010 16:00	25	1.8	4.0	358	20.3	68.5	41
8/22/2010 17:00	19	1.4	3.1	62	17.9	64.2	50
8/22/2010 18:00	10	2.0	4.5	74	14.3	57.7	67
8/22/2010 19:00	12	1.3	2.9	6	12.4	54.3	76
8/22/2010 20:00	-1	0.9	2.0	175	11.2	52.2	83
8/22/2010 21:00	-3	1.5	3.4	266	10.9	51.6	77
8/22/2010 22:00	4	1.0	2.2	267	9.8	49.6	81
8/22/2010 23:00	15	1.0	2.2	138	9.1	48.4	84
8/23/2010 0:00	-5	2.7	6.0	238	9.3	48.7	77
8/23/2010 1:00	13	2.1	4.7	251	8.8	47.8	76
8/23/2010 2:00	6	1.8	4.0	230	8.6	47.5	75
8/23/2010 3:00	5	1.4	3.1	179	8.3	46.9	77
8/23/2010 4:00	9	2.0	4.5	251	8.4	47.1	76
8/23/2010 5:00	-5	1.9	4.3	207	8.0	46.4	74
8/23/2010 6:00	-5	1.9	4.3	205	7.4	45.3	75
8/23/2010 7:00	7	2.1	4.7	192	8.4	47.1	70
8/23/2010 8:00	0	2.6	5.8	221	10.7	51.3	59
8/23/2010 9:00	12	3.5	7.8	236	12.3	54.1	53
8/23/2010 10:00	12	4.5	10.1	242	13.6	56.5	46
8/23/2010 11:00	1	3.9	8.7	242	15.2	59.4	42
8/23/2010 12:00	8	3.0	6.7	295	16.3	61.3	39
8/23/2010 13:00	12	2.5	5.6	273	17.5	63.5	33
8/23/2010 14:00	3	3.3	7.4	279	18.7	65.7	32
8/23/2010 15:00	7	3.5	7.8	266	19.4	66.9	29
8/23/2010 16:00	0	4.3	9.6	271	19.7	67.5	27
8/23/2010 17:00	2	3.7	8.3	272	19.7	67.5	26
8/23/2010 18:00	-2	3.3	7.4	271	19.3	66.7	26
8/23/2010 19:00	4	2.0	4.5	302	17.8	64.0	34
8/23/2010 20:00	-2	0.8	1.8	6	13.5	56.3	47
8/23/2010 21:00	3	0.5	1.1	333	9.7	49.5	62
8/23/2010 22:00	-5	0.7	1.6	295	6.7	44.1	76
8/23/2010 23:00	2	0.8	1.8	261	4.5	40.1	80
8/24/2010 0:00	11	1.2	2.7	180	6.2	43.2	73
8/24/2010 1:00	8	1.4	3.1	177	6.0	42.8	73
8/24/2010 2:00	-5	1.4	3.1	166	4.8	40.6	78
8/24/2010 3:00	-3	1.4	3.1	186	4.7	40.5	77
8/24/2010 4:00	5	1.4	3.1	197	4.2	39.6	78
8/24/2010 5:00	5	1.2	2.7	178	3.8	38.8	77
8/24/2010 6:00	3	1.4	3.1	189	3.6	38.5	79
8/24/2010 7:00	5	1.9	4.3	193	5.4	41.7	70
8/24/2010 8:00	4	1.5	3.4	188	8.7	47.7	60

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
8/24/2010 9:00	7	1.0	2.2	139	12.0	53.6	53
8/24/2010 10:00	13	1.0	2.2	30	14.8	58.6	45
8/24/2010 11:00	11	1.2	2.7	358	16.9	62.4	40
8/24/2010 12:00	6	1.3	2.9	5	18.9	66.0	37
8/24/2010 13:00	11	1.4	3.1	11	20.9	69.6	33
8/24/2010 14:00	3	1.5	3.4	360	22.6	72.7	29
8/24/2010 15:00	8	1.7	3.8	342	23.9	75.0	27
8/24/2010 16:00	2	1.8	4.0	343	24.7	76.5	25
8/24/2010 17:00	4	1.6	3.6	352	25.1	77.2	25
8/24/2010 18:00	-1	1.5	3.4	345	24.4	75.9	27
8/24/2010 19:00	11	1.0	2.2	345	22.6	72.7	35
8/24/2010 20:00	-5	0.6	1.3	274	15.6	60.1	63
8/24/2010 21:00	-5	0.6	1.3	189	12.0	53.6	69
8/24/2010 22:00	-1	1.0	2.2	136	11.6	52.9	71
8/24/2010 23:00	-3	1.3	2.9	151	10.9	51.6	70
8/25/2010 0:00	23	1.2	2.7	146	10.0	50.0	72
8/25/2010 1:00	7	1.4	3.1	163	9.7	49.5	72
8/25/2010 2:00	9	1.3	2.9	166	9.5	49.1	75
8/25/2010 3:00	7	1.4	3.1	152	8.9	48.0	72
8/25/2010 4:00	11	1.8	4.0	193	9.5	49.1	69
8/25/2010 5:00	7	1.2	2.7	172	8.7	47.7	73
8/25/2010 6:00	-5	1.0	2.2	133	8.4	47.1	74
8/25/2010 7:00	17	1.1	2.5	116	10.2	50.4	67
8/25/2010 8:00	8	2.0	4.5	168	14.5	58.1	52
8/25/2010 9:00	21	2.4	5.4	198	18.8	65.8	42
8/25/2010 10:00	9	2.6	5.8	215	22.6	72.7	33
8/25/2010 11:00	11	3.1	6.9	192	25.9	78.6	23
8/25/2010 12:00	11	2.8	6.3	179	27.6	81.7	18
8/25/2010 13:00	8	3.2	7.2	185	29.0	84.2	16
8/25/2010 14:00	3	2.7	6.0	191	30.1	86.2	14
8/25/2010 15:00	15	3.3	7.4	278	31.0	87.8	12
8/25/2010 16:00	-3	3.3	7.4	282	30.9	87.6	12
8/25/2010 17:00	17	3.4	7.6	302	30.3	86.5	12
8/25/2010 18:00	-4	2.3	5.1	331	29.1	84.4	16
8/25/2010 19:00	10	1.1	2.5	22	26.5	79.7	24
8/25/2010 20:00	6	0.6	1.3	312	18.9	66.0	48
8/25/2010 21:00	-4	0.8	1.8	225	13.4	56.1	58
8/25/2010 22:00	6	1.3	2.9	167	14.5	58.1	52
8/25/2010 23:00	5	1.5	3.4	133	12.3	54.1	59
8/26/2010 0:00	20	1.4	3.1	145	12.2	54.0	57
8/26/2010 1:00	8	1.4	3.1	167	12.1	53.8	54
8/26/2010 2:00	10	1.5	3.4	161	11.5	52.7	57
8/26/2010 3:00	9	1.9	4.3	170	10.9	51.6	55
8/26/2010 4:00	20	1.8	4.0	179	11.2	52.2	55
8/26/2010 5:00	10	1.7	3.8	187	11.9	53.4	51
8/26/2010 6:00	5	2.3	5.1	188	11.7	53.1	51
8/26/2010 7:00	14	2.0	4.5	198	12.7	54.9	47
8/26/2010 8:00	16	1.9	4.3	231	17.0	62.6	38
8/26/2010 9:00	25	2.3	5.1	206	21.8	71.2	30
8/26/2010 10:00	27	3.3	7.4	184	26.2	79.2	19
8/26/2010 11:00	10	4.4	9.8	159	27.9	82.2	17
8/26/2010 12:00	12	3.7	8.3	214	30.8	87.4	13
8/26/2010 13:00	14	4.4	9.8	206	31.6	88.9	11
8/26/2010 14:00	9	6.5	14.5	209	31.7	89.1	11
8/26/2010 15:00	11	5.8	13.0	216	30.7	87.3	13
8/26/2010 16:00	17	6.2	13.9	214	30.8	87.4	15
8/26/2010 17:00	25	5.4	12.1	228	29.0	84.2	20
8/26/2010 18:00	13	3.4	7.6	199	28.9	84.0	21
8/26/2010 19:00	13	4.5	10.1	217	27.1	80.8	23
8/26/2010 20:00	9	1.6	3.6	201	23.4	74.1	34
8/26/2010 21:00	5	1.7	3.8	175	20.7	69.3	42
8/26/2010 22:00	12	3.7	8.3	241	19.9	67.8	56
8/26/2010 23:00	5	2.7	6.0	173	19.3	66.7	56
8/27/2010 0:00	9	1.9	4.3	278	17.1	62.8	62
8/27/2010 1:00	54	1.4	3.1	262	16.5	61.7	58
8/27/2010 2:00	61	1.0	2.2	114	14.2	57.6	65
8/27/2010 3:00	79	0.8	1.8	256	14.0	57.2	61
8/27/2010 4:00	63	0.6	1.3	275	10.8	51.4	73
8/27/2010 5:00	74	0.9	2.0	287	9.0	48.2	79
8/27/2010 6:00	98	1.1	2.5	329	10.1	50.2	74
8/27/2010 7:00	58	1.2	2.7	332	10.5	50.9	65
8/27/2010 8:00	45	1.4	3.1	16	12.3	54.1	54
8/27/2010 9:00	40	1.9	4.3	32	13.2	55.8	47
8/27/2010 10:00	36	1.9	4.3	19	14.5	58.1	43
8/27/2010 11:00	40	2.0	4.5	10	15.8	60.4	41
8/27/2010 12:00	43	2.0	4.5	12	17.3	63.1	38
8/27/2010 13:00	BA	BA	BA	BA	18.6	65.5	37
8/27/2010 14:00	47	2.1	4.7	3	19.6	67.3	32
8/27/2010 15:00	28	2.2	4.9	5	20.4	68.7	26
8/27/2010 16:00	23	2.6	5.8	0	20.2	68.4	24
8/27/2010 17:00	18	2.2	4.9	30	19.8	67.6	24

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
8/27/2010 18:00	6	2.0	4.5	43	18.6	65.5	25
8/27/2010 19:00	0	1.7	3.8	41	16.6	61.9	28
8/27/2010 20:00	-4	1.2	2.7	36	14.0	57.2	31
8/27/2010 21:00	4	1.1	2.5	51	12.6	54.7	33
8/27/2010 22:00	9	1.7	3.8	329	10.3	50.5	44
8/27/2010 23:00	15	1.0	2.2	309	8.1	46.6	55
8/28/2010 0:00	15	0.6	1.3	246	6.5	43.7	63
8/28/2010 1:00	17	0.8	1.8	244	4.9	40.8	72
8/28/2010 2:00	-1	0.6	1.3	130	4.1	39.4	76
8/28/2010 3:00	24	0.9	2.0	174	3.6	38.5	75
8/28/2010 4:00	6	0.9	2.0	160	2.9	37.2	74
8/28/2010 5:00	5	0.9	2.0	186	1.8	35.2	76
8/28/2010 6:00	0	1.0	2.2	158	1.8	35.2	76
8/28/2010 7:00	6	0.7	1.6	214	3.6	38.5	68
8/28/2010 8:00	7	1.1	2.5	193	7.3	45.1	55
8/28/2010 9:00	11	0.7	1.6	133	9.5	49.1	48
8/28/2010 10:00	17	1.1	2.5	359	11.7	53.1	43
8/28/2010 11:00	15	1.8	4.0	345	11.9	53.4	45
8/28/2010 12:00	14	1.3	2.9	1	12.2	54.0	45
8/28/2010 13:00	23	1.3	2.9	337	12.8	55.0	43
8/28/2010 14:00	9	0.7	1.6	39	13.6	56.5	43
8/28/2010 15:00	16	1.2	2.7	1	15.2	59.4	37
8/28/2010 16:00	14	1.2	2.7	328	15.8	60.4	38
8/28/2010 17:00	2	1.3	2.9	351	15.4	59.7	41
8/28/2010 18:00	7	1.5	3.4	346	14.3	57.7	44
8/28/2010 19:00	13	2.1	4.7	336	13.1	55.6	48
8/28/2010 20:00	6	1.7	3.8	349	11.5	52.7	52
8/28/2010 21:00	14	0.9	2.0	6	10.3	50.5	59
8/28/2010 22:00	10	0.7	1.6	23	10.3	50.5	58
8/28/2010 23:00	19	0.5	1.1	37	10.3	50.5	57
8/29/2010 0:00	12	0.3	0.7	239	9.0	48.2	71
8/29/2010 1:00	14	0.7	1.6	52	9.9	49.8	61
8/29/2010 2:00	6	0.9	2.0	340	9.5	49.1	60
8/29/2010 3:00	15	0.7	1.6	346	9.2	48.6	61
8/29/2010 4:00	1	0.8	1.8	245	7.2	45.0	72
8/29/2010 5:00	9	0.6	1.3	258	6.7	44.1	76
8/29/2010 6:00	2	0.3	0.7	118	7.4	45.3	74
8/29/2010 7:00	6	0.5	1.1	75	8.0	46.4	68
8/29/2010 8:00	3	1.2	2.7	22	9.1	48.4	64
8/29/2010 9:00	9	1.3	2.9	357	9.2	48.6	66
8/29/2010 10:00	8	1.2	2.7	7	9.6	49.3	66
8/29/2010 11:00	8	1.5	3.4	355	10.4	50.7	63
8/29/2010 12:00	10	1.4	3.1	13	11.2	52.2	61
8/29/2010 13:00	6	1.6	3.6	357	10.5	50.9	70
8/29/2010 14:00	10	1.7	3.8	1	11.3	52.3	69
8/29/2010 15:00	3	1.5	3.4	356	10.8	51.4	67
8/29/2010 16:00	7	1.4	3.1	5	10.2	50.4	71
8/29/2010 17:00	-5	1.5	3.4	347	9.4	48.9	76
8/29/2010 18:00	8	0.8	1.8	32	8.9	48.0	81
8/29/2010 19:00	6	1.1	2.5	285	8.2	46.8	84
8/29/2010 20:00	-3	0.7	1.6	257	7.6	45.7	86
8/29/2010 21:00	12	0.6	1.3	232	7.2	45.0	88
8/29/2010 22:00	-5	1.8	4.0	274	6.9	44.4	85
8/29/2010 23:00	18	1.3	2.9	349	5.7	42.3	85
8/30/2010 0:00	2	0.7	1.6	151	5.4	41.7	88
8/30/2010 1:00	1	0.7	1.6	150	5.7	42.3	87
8/30/2010 2:00	14	0.7	1.6	179	5.8	42.4	86
8/30/2010 3:00	5	0.6	1.3	261	5.0	41.0	88
8/30/2010 4:00	0	0.5	1.1	328	5.0	41.0	90
8/30/2010 5:00	0	0.6	1.3	312	5.4	41.7	90
8/30/2010 6:00	-5	0.6	1.3	314	5.4	41.7	90
8/30/2010 7:00	6	0.4	0.9	356	5.7	42.3	90
8/30/2010 8:00	12	0.4	0.9	40	5.9	42.6	89
8/30/2010 9:00	11	0.8	1.8	73	6.7	44.1	85
8/30/2010 10:00	-2	0.6	1.3	336	7.4	45.3	80
8/30/2010 11:00	0	0.4	0.9	17	8.1	46.6	75
8/30/2010 12:00	6	0.8	1.8	21	9.7	49.5	69
8/30/2010 13:00	11	1.0	2.2	355	10.8	51.4	64
8/30/2010 14:00	-3	0.9	2.0	198	10.2	50.4	71
8/30/2010 15:00	3	2.1	4.7	207	10.9	51.6	68
8/30/2010 16:00	5	2.1	4.7	195	12.3	54.1	59
8/30/2010 17:00	18	2.1	4.7	260	11.1	52.0	64
8/30/2010 18:00	3	1.3	2.9	48	8.0	46.4	85
8/30/2010 19:00	15	1.2	2.7	153	8.1	46.6	83
8/30/2010 20:00	-5	1.1	2.5	174	7.6	45.7	82
8/30/2010 21:00	2	1.3	2.9	184	6.8	44.2	85
8/30/2010 22:00	2	1.3	2.9	158	5.8	42.4	86
8/30/2010 23:00	1	1.4	3.1	196	5.5	41.9	85
8/31/2010 0:00	0	1.5	3.4	182	5.2	41.4	86
8/31/2010 1:00	11	1.5	3.4	191	4.7	40.5	86

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
8/31/2010 2:00	-5	1.4	3.1	229	4.3	39.7	86
8/31/2010 3:00	14	1.7	3.8	190	5.4	41.7	83
8/31/2010 4:00	-3	1.8	4.0	192	5.8	42.4	82
8/31/2010 5:00	1	1.4	3.1	185	5.7	42.3	80
8/31/2010 6:00	9	2.0	4.5	200	5.1	41.2	82
8/31/2010 7:00	3	1.7	3.8	185	6.3	43.3	78
8/31/2010 8:00	-2	2.3	5.1	196	6.7	44.1	79
8/31/2010 9:00	20	2.3	5.1	173	7.9	46.2	77
8/31/2010 10:00	1	3.0	6.7	190	11.3	52.3	63
8/31/2010 11:00	6	2.9	6.5	184	12.5	54.5	57
8/31/2010 12:00	-2	3.1	6.9	208	13.1	55.6	52
8/31/2010 13:00	14	4.1	9.2	212	14.6	58.3	47
8/31/2010 14:00	0	2.5	5.6	202	14.3	57.7	46
8/31/2010 15:00	1	2.6	5.8	221	14.6	58.3	44
8/31/2010 16:00	4	2.9	6.5	249	15.8	60.4	38
8/31/2010 17:00	9	3.0	6.7	270	16.1	61.0	38
8/31/2010 18:00	4	2.3	5.1	262	15.4	59.7	40
8/31/2010 19:00	-4	1.3	2.9	218	12.8	55.0	50
8/31/2010 20:00	-5	1.2	2.7	191	10.2	50.4	62
8/31/2010 21:00	-1	1.6	3.6	189	10.8	51.4	58
8/31/2010 22:00	1	1.8	4.0	183	10.6	51.1	59
8/31/2010 23:00	3	2.2	4.9	194	11.3	52.3	55
9/1/2010 0:00	8	2.1	4.7	185	11.6	52.9	54

AN = Machine malfunction

BA = Routine maintenance / repairs